

1

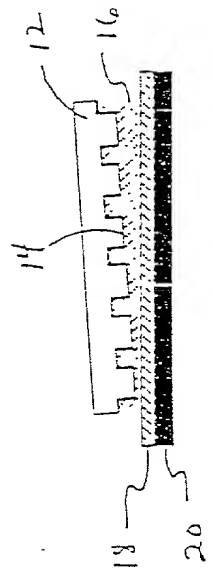


Fig. 1A

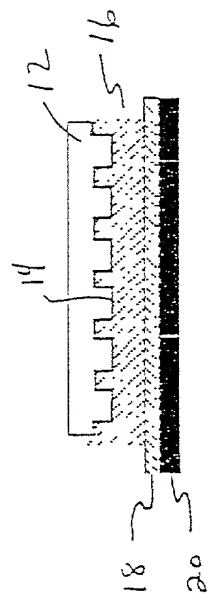


Fig. 1B

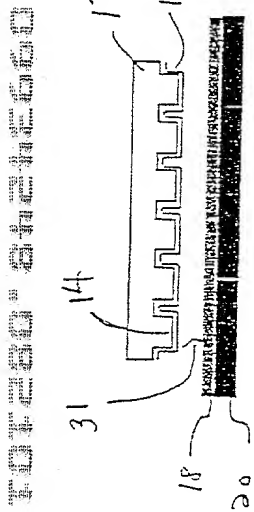


Fig. 2A

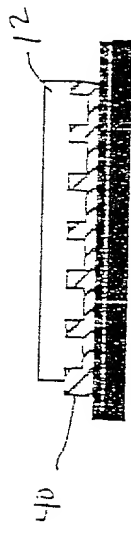


Fig. 2B

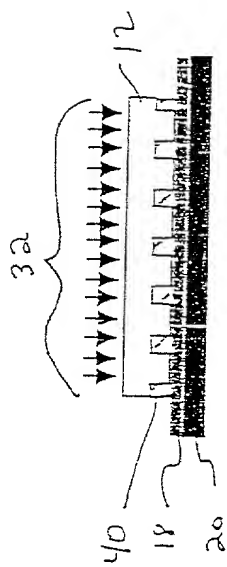


Fig. 2C

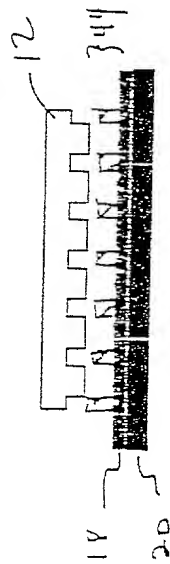


Fig. 2D

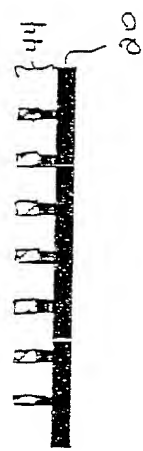


Fig. 2E

30

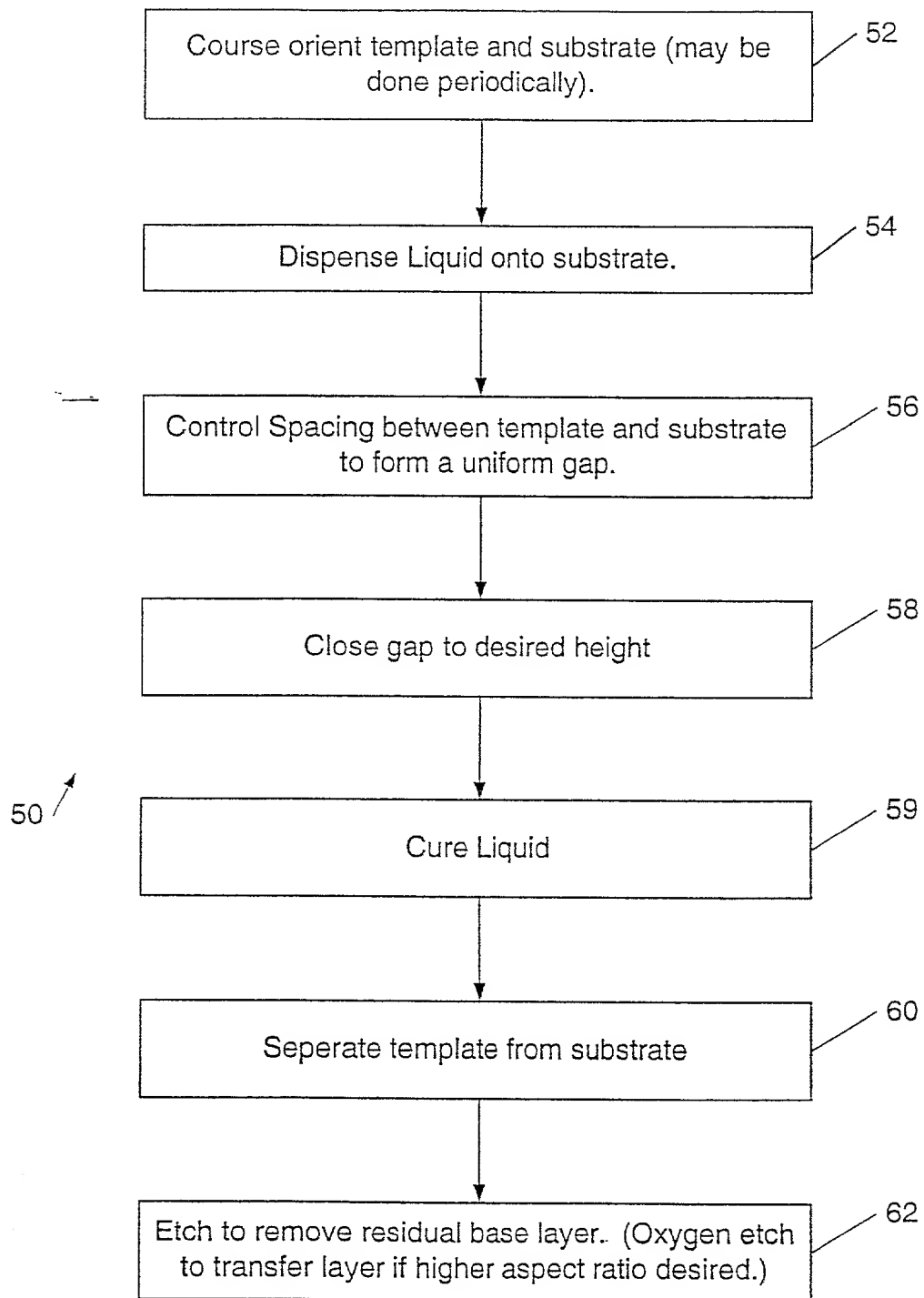


Fig. 3

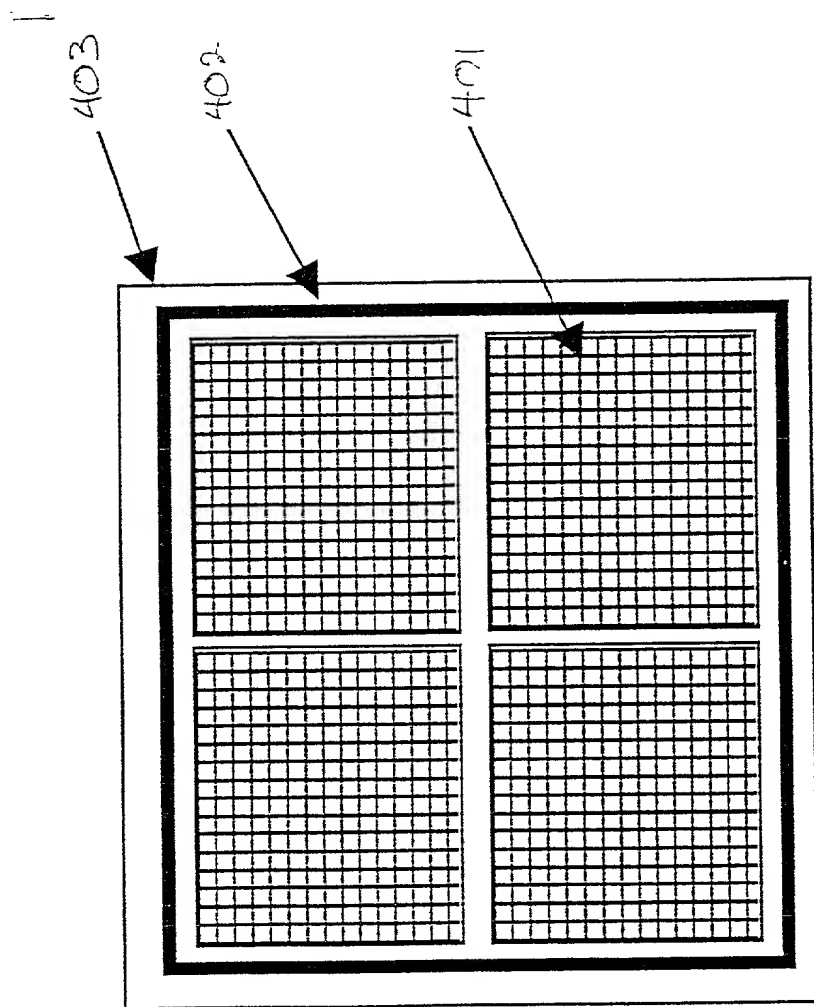


Fig. 4

1

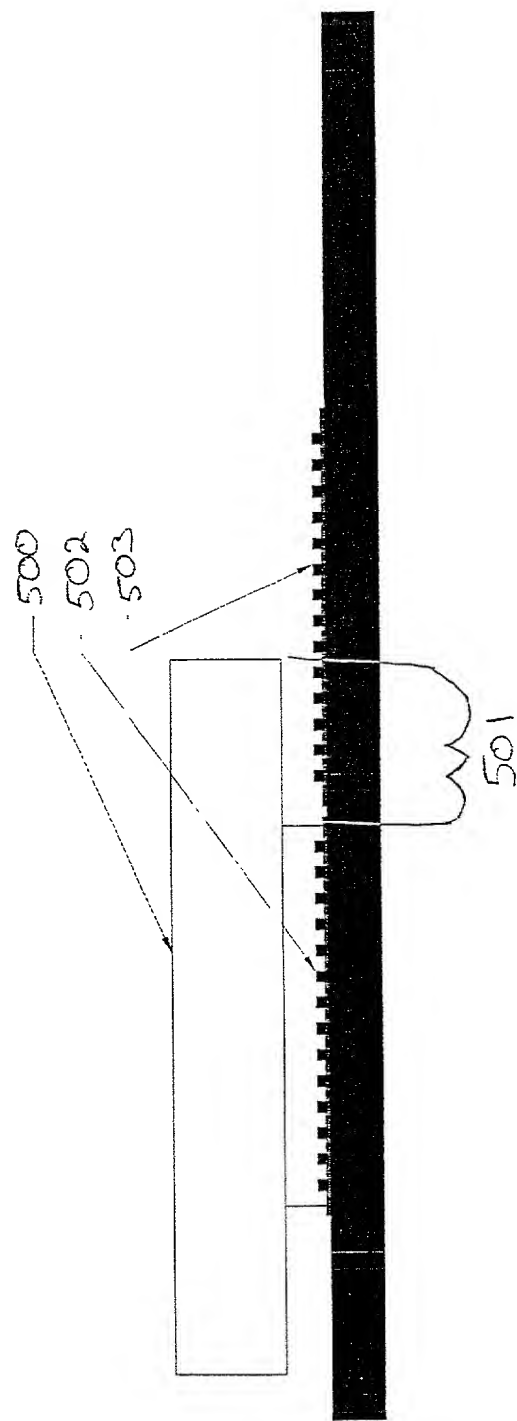


Fig. 5

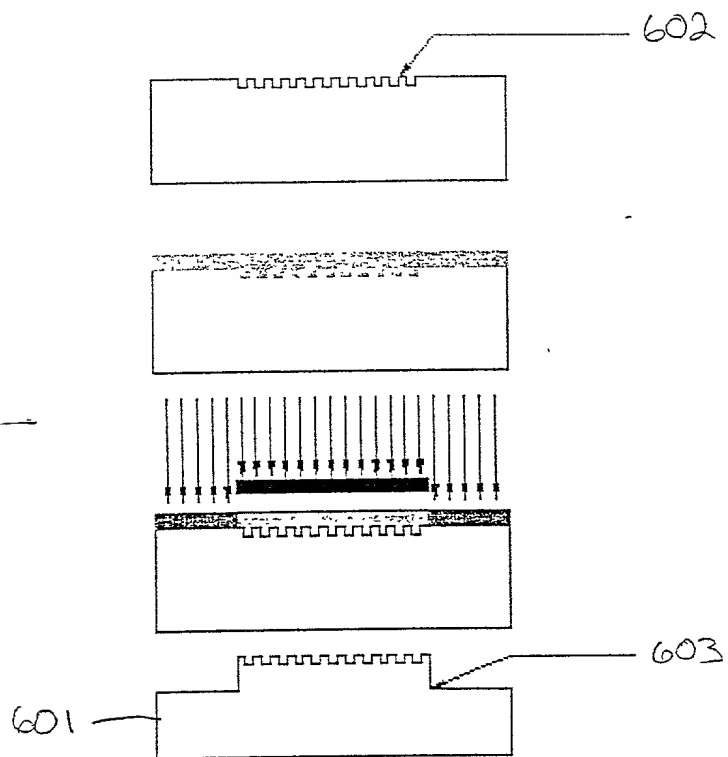


Fig. 6

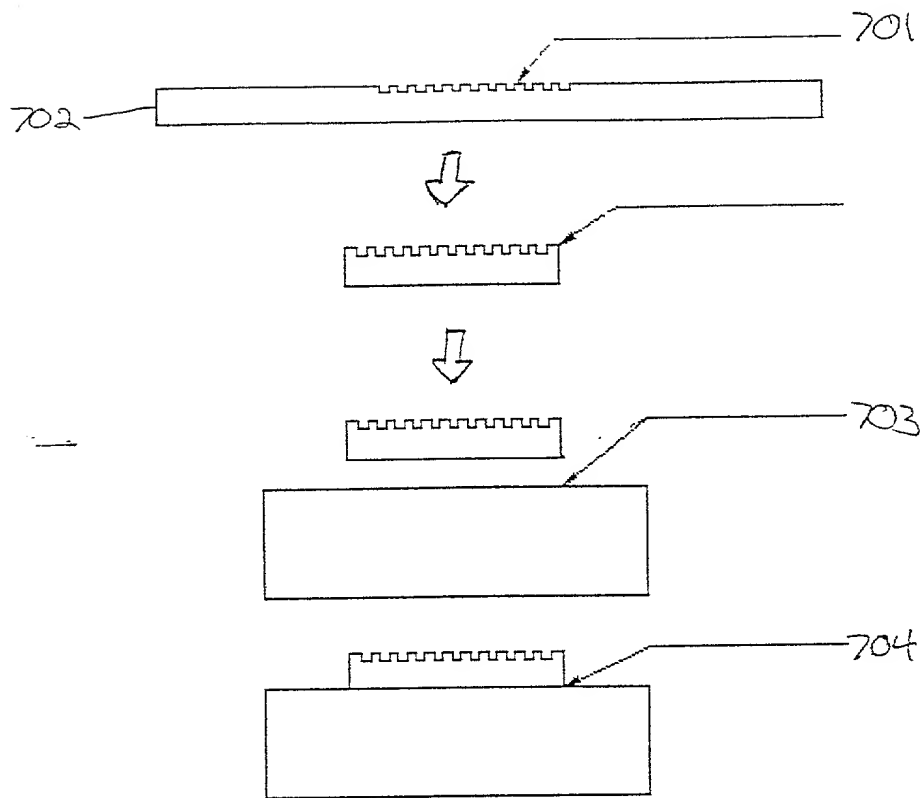


Fig. 7

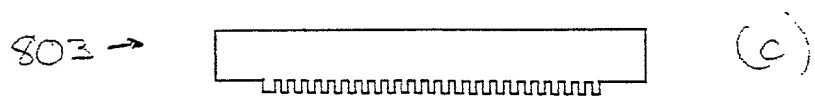
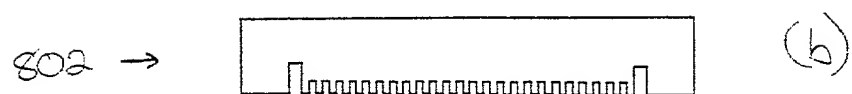
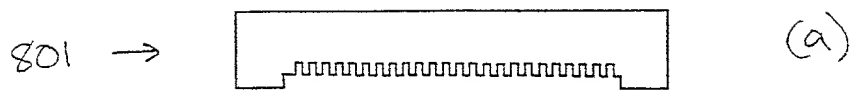
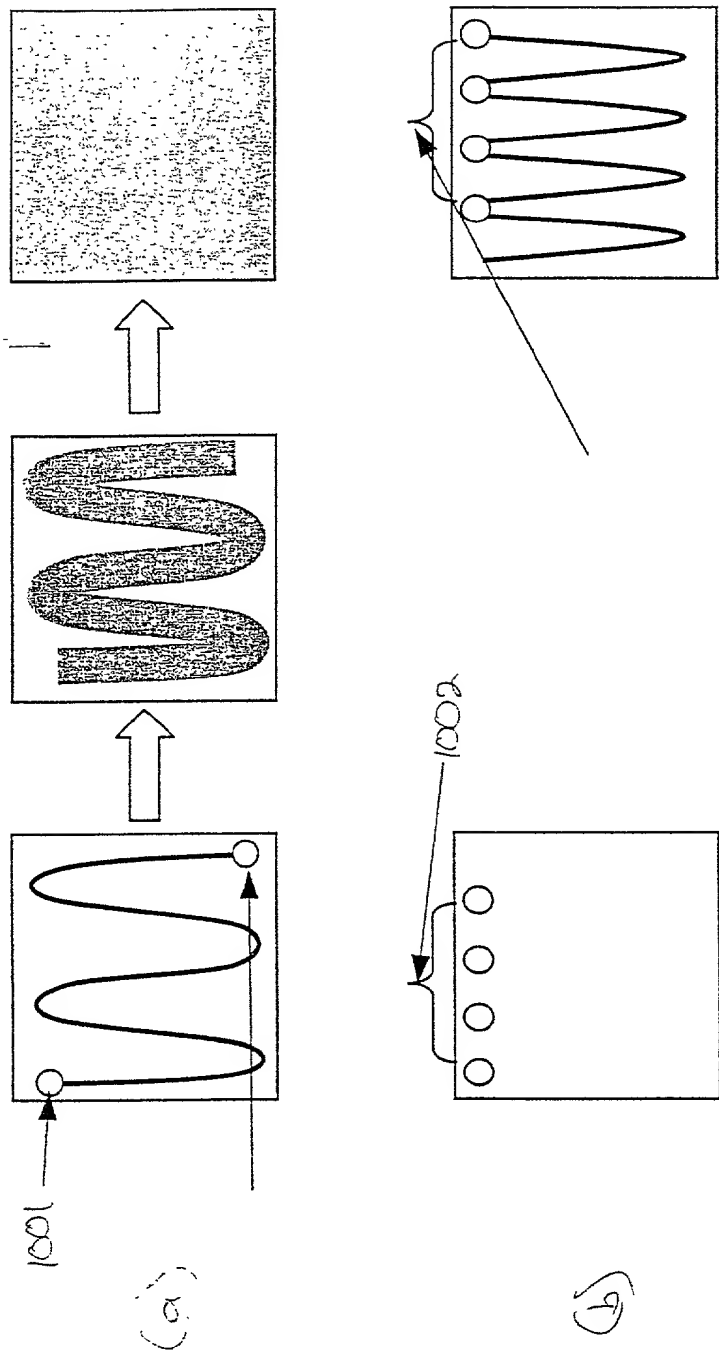


Fig. 8



Figure 1 consists of four schematic diagrams labeled (a) through (d), illustrating the steps of a microfabrication process. Each diagram shows a cross-section of a material with three distinct layers: a dark bottom layer, a middle textured layer, and a top thin layer. (a) A rectangular block is on the top layer. (b) The block is tapered to a point. (c) The structure is inverted, showing a tapered hole in the top layer. (d) The structure is inverted back, showing a rectangular block. Arrows indicate the sequence from (a) to (b), (b) to (c), and (c) to (d).

Fig. 9



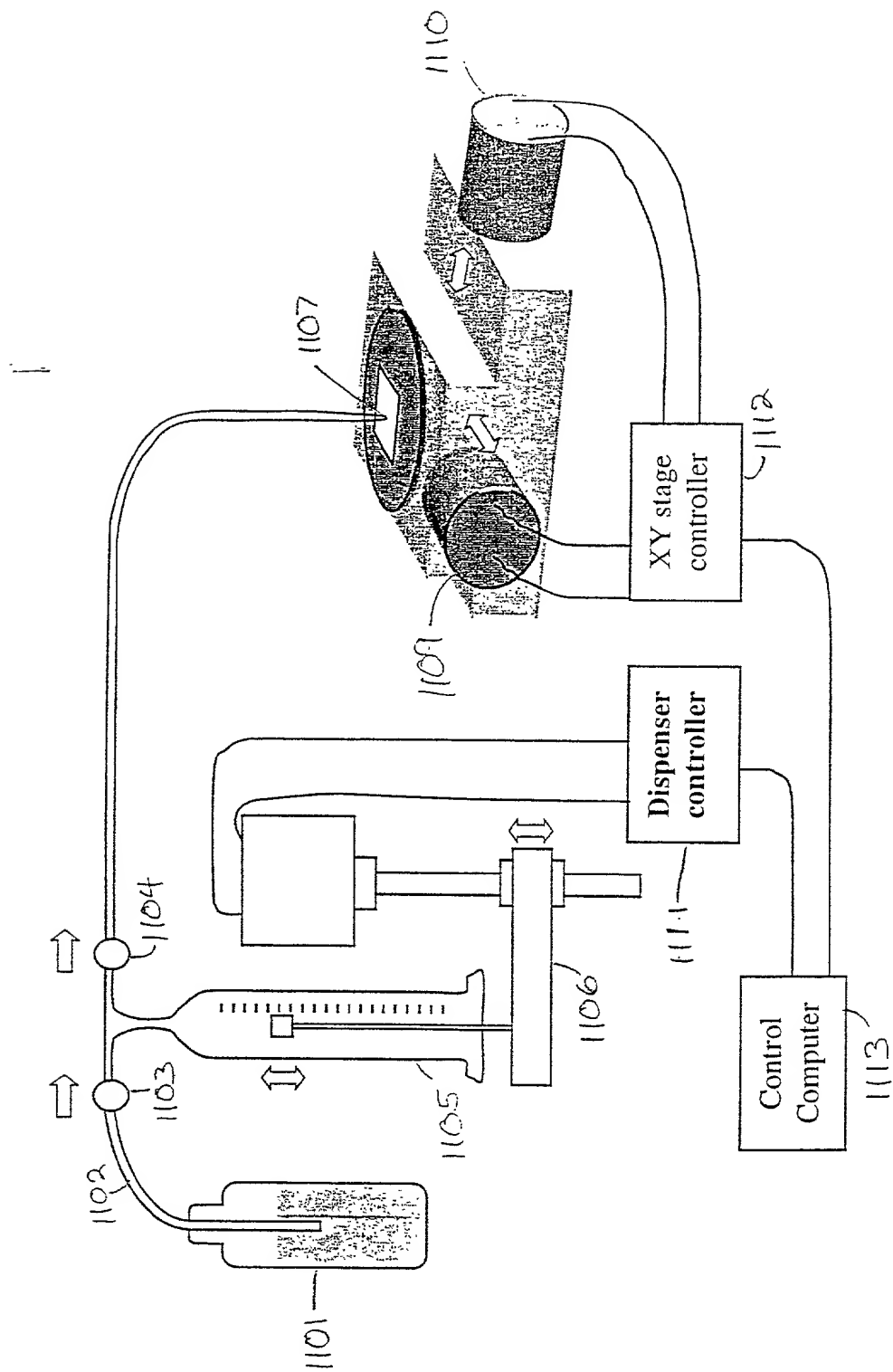


Fig. 11

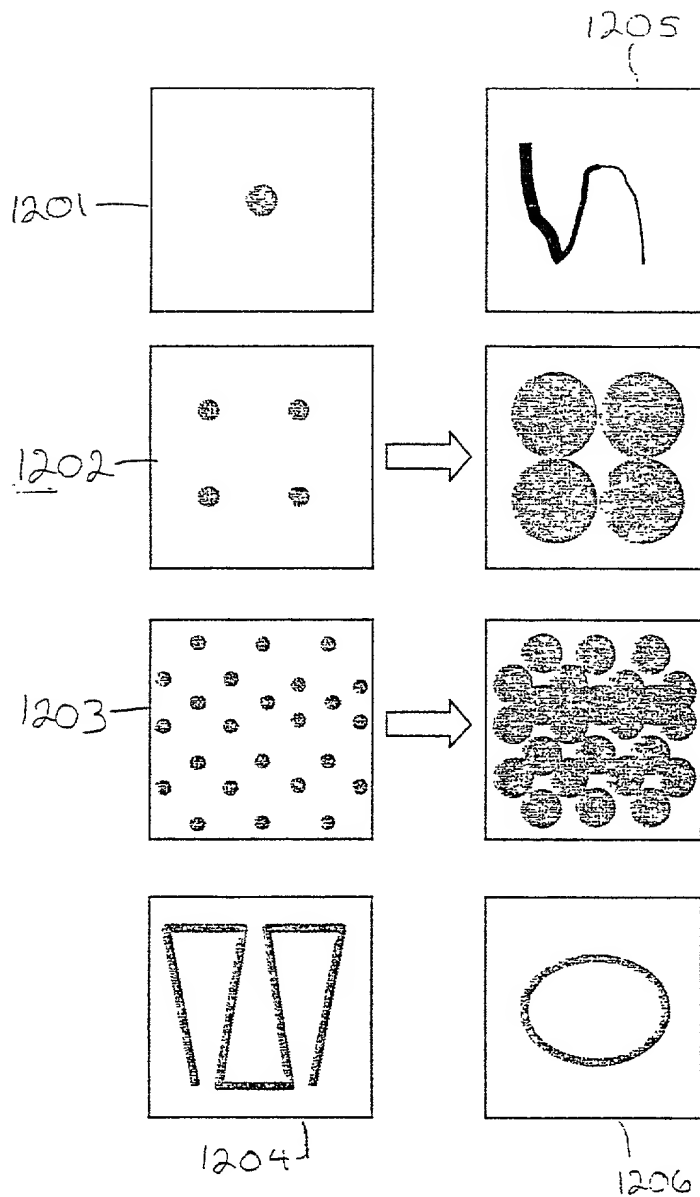


Fig. 12

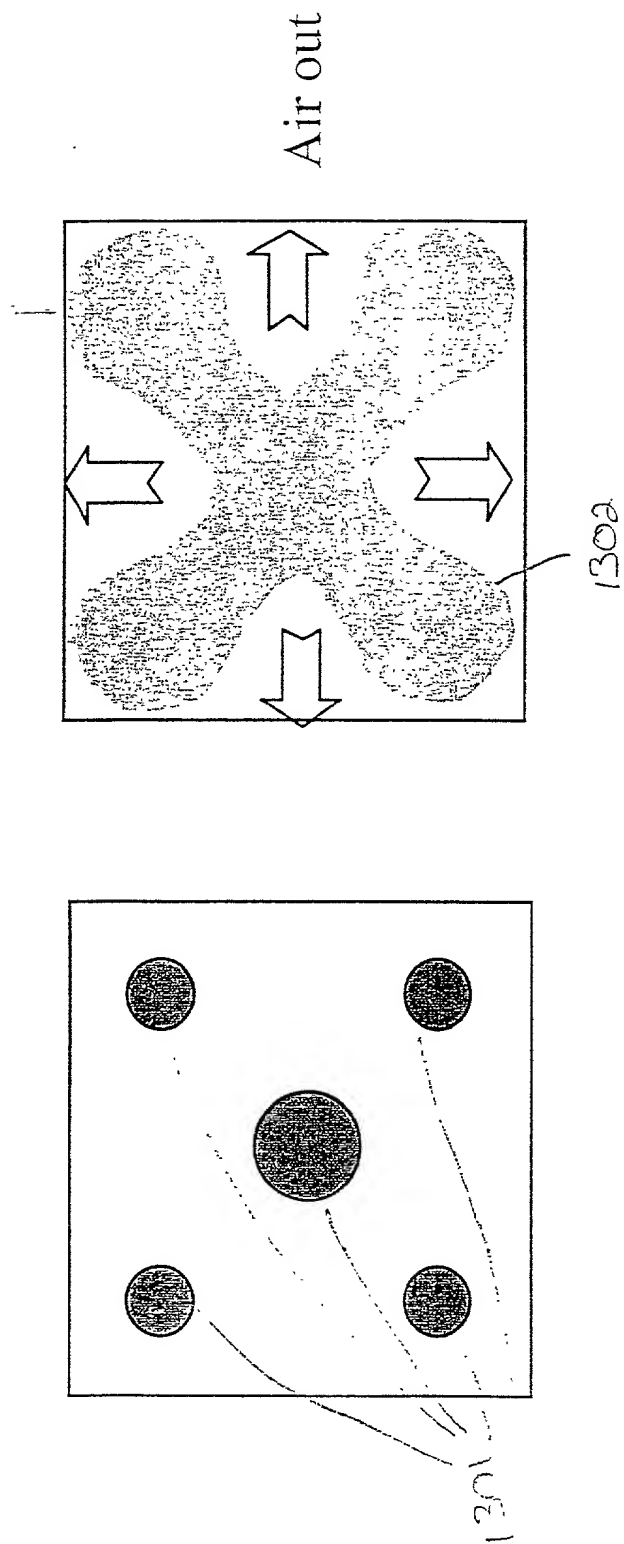


Fig. 13

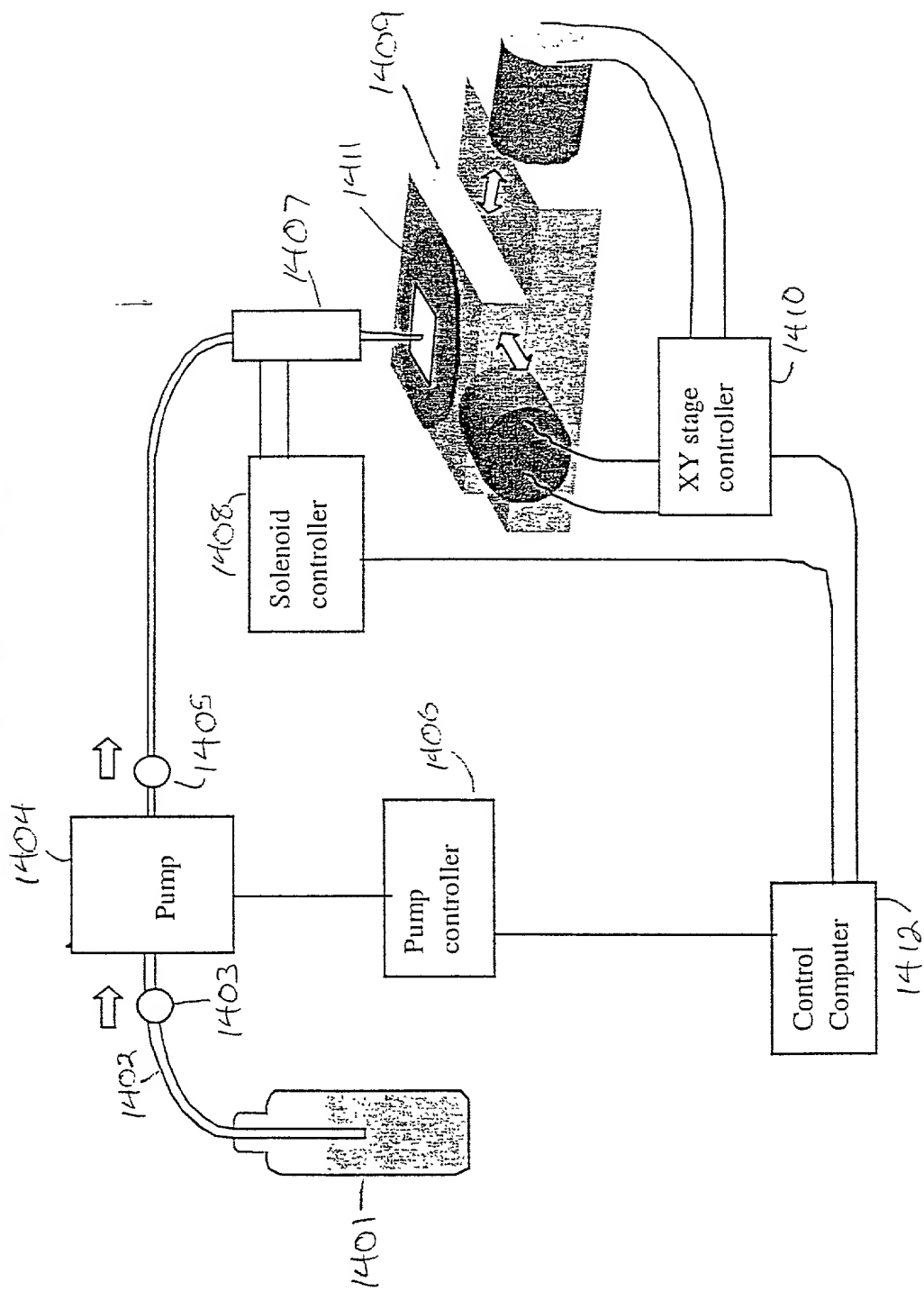
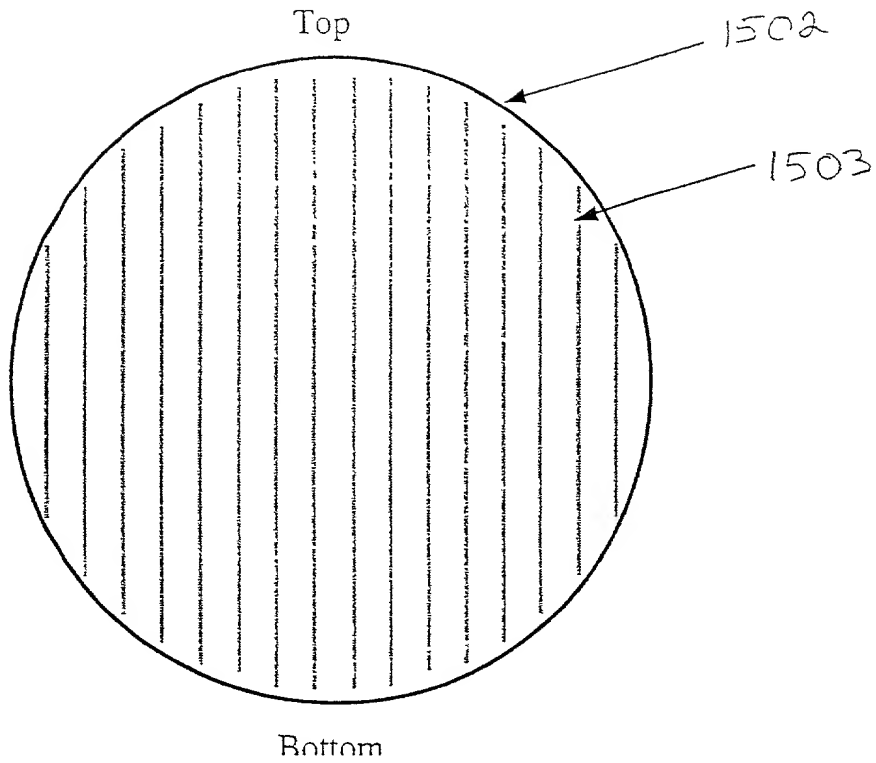


Fig. 14

(a)



(b)

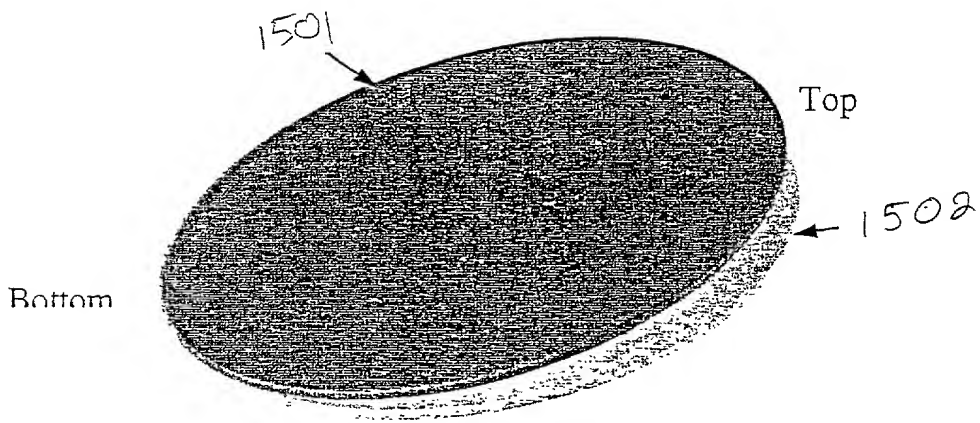


Fig. 15



Fig. 16



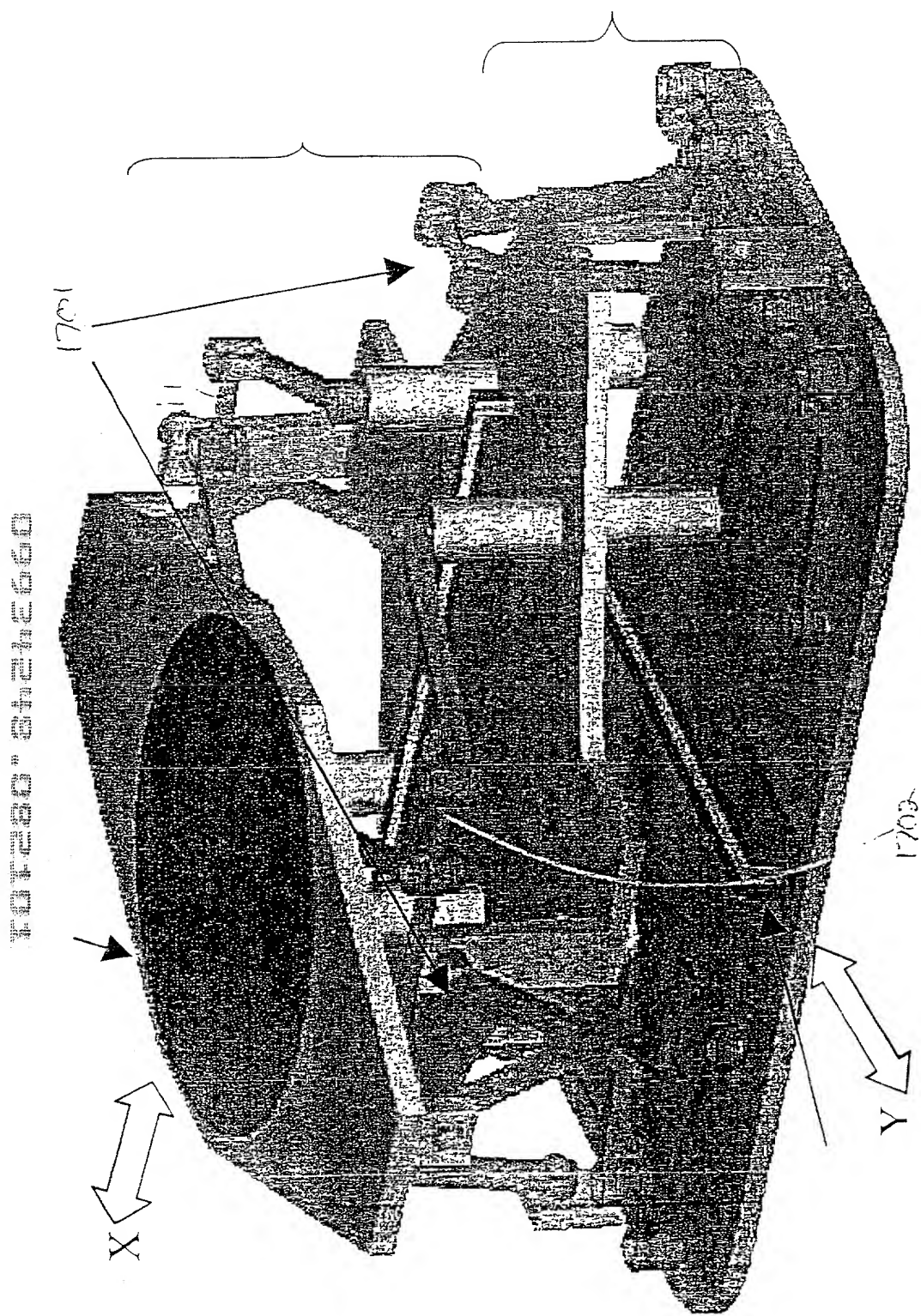


Fig. 17

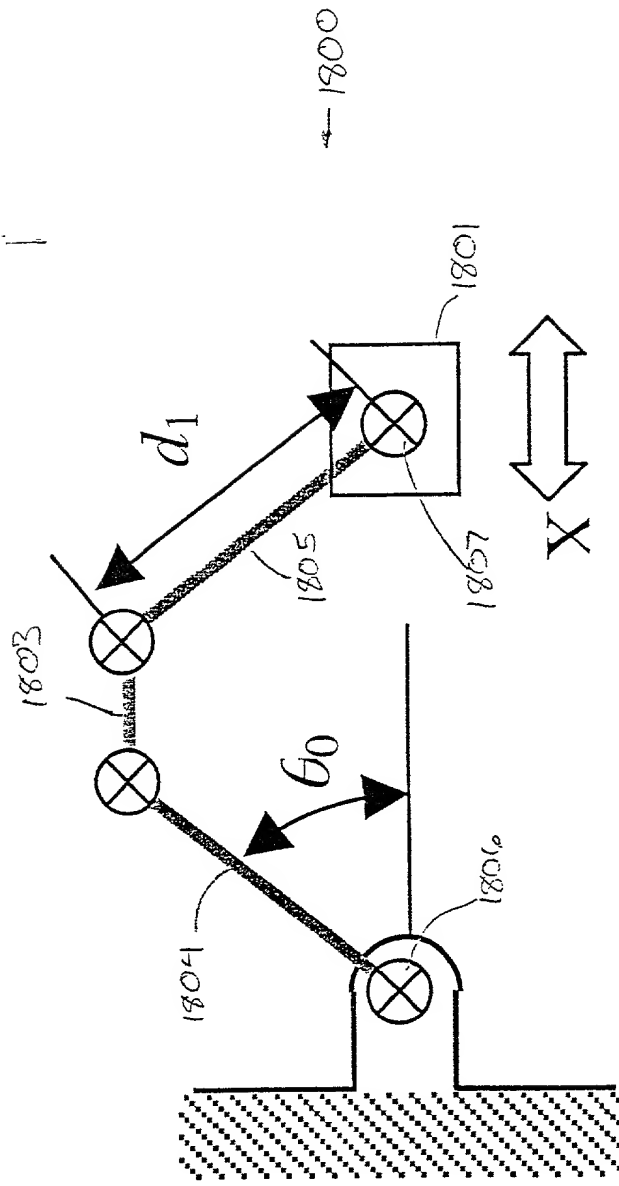


Fig. 18

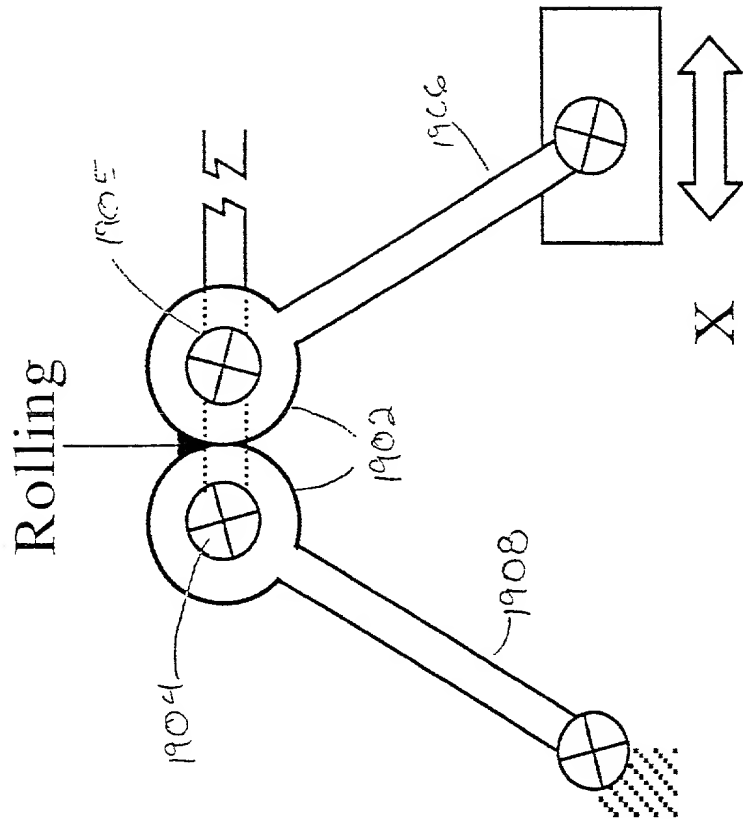


Fig. 19

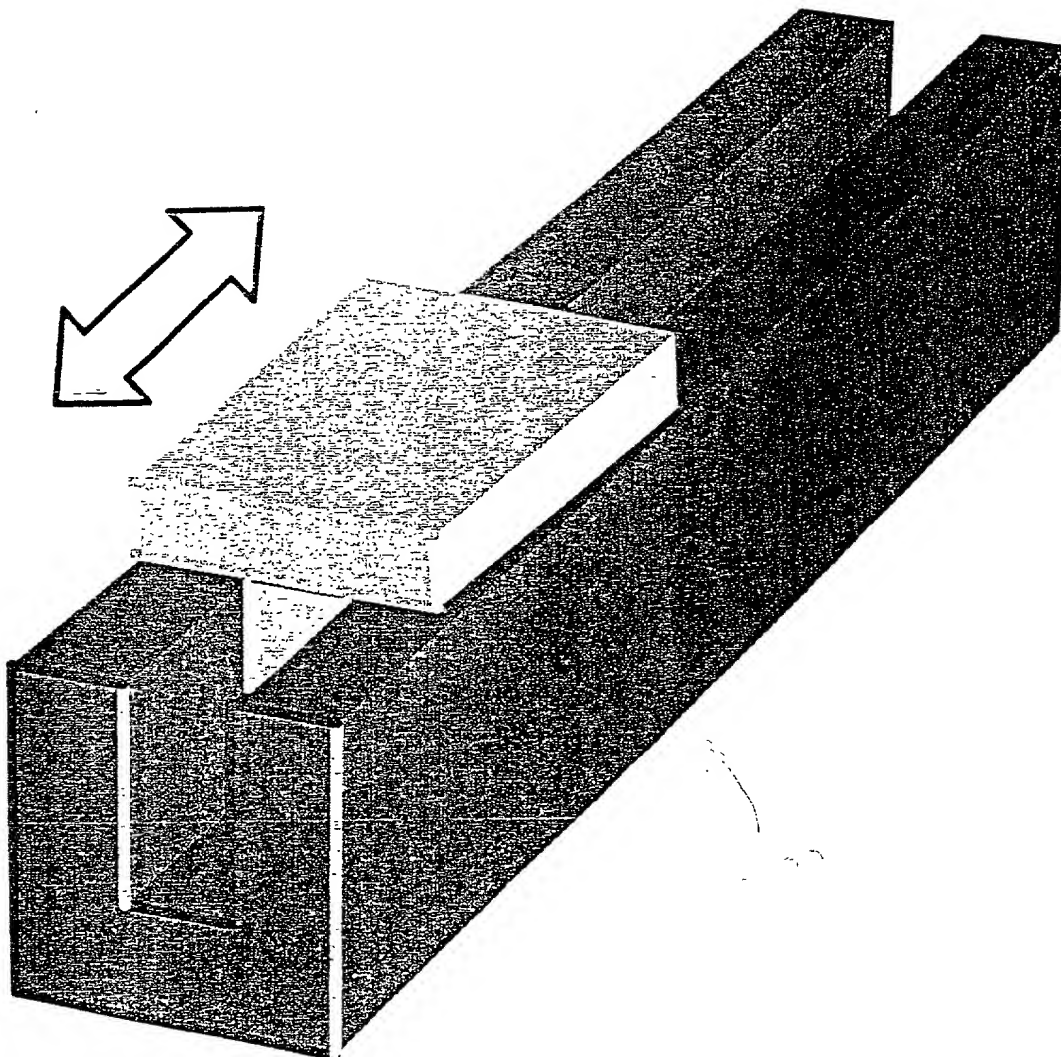


Fig. 20

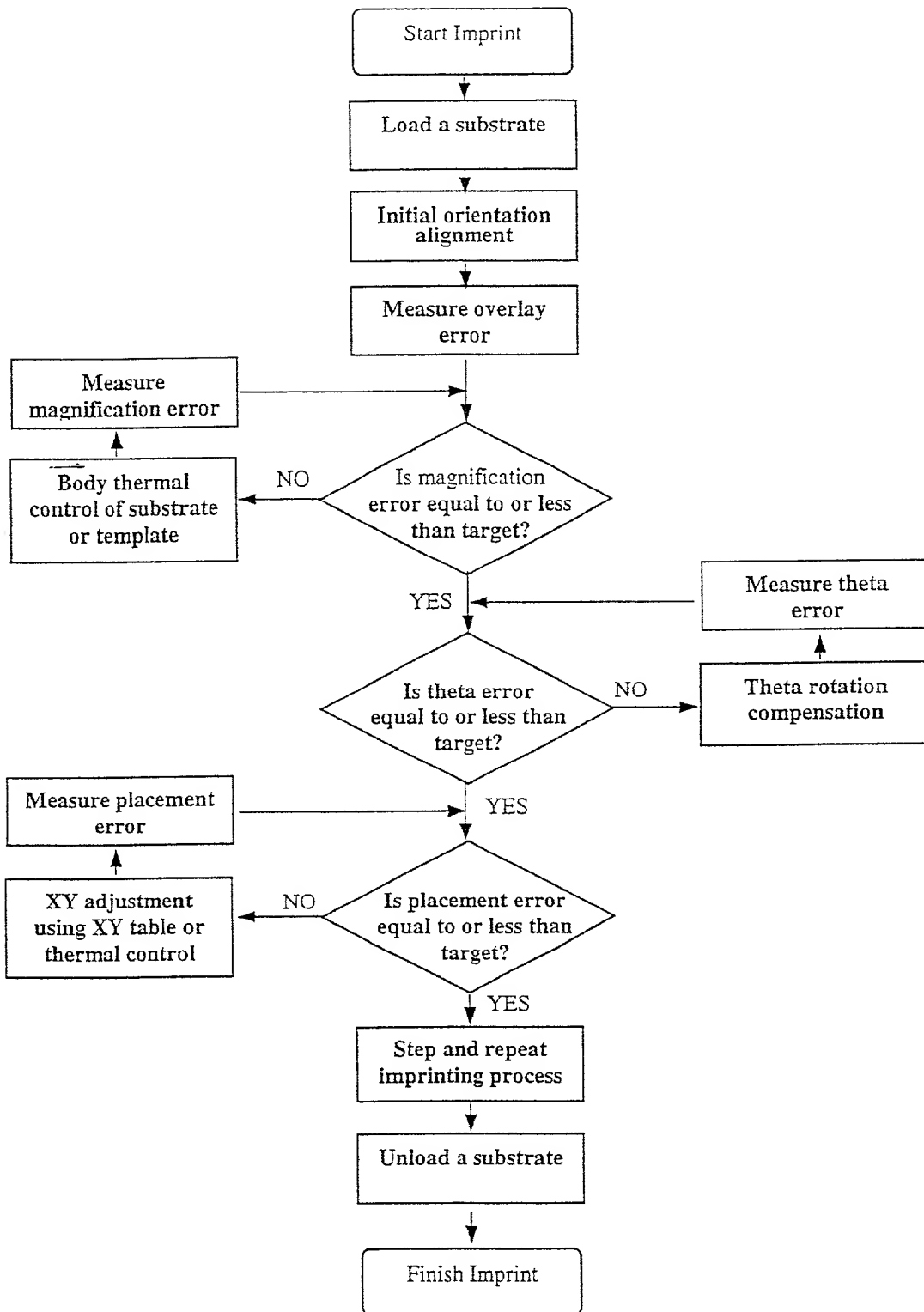


Fig. 21

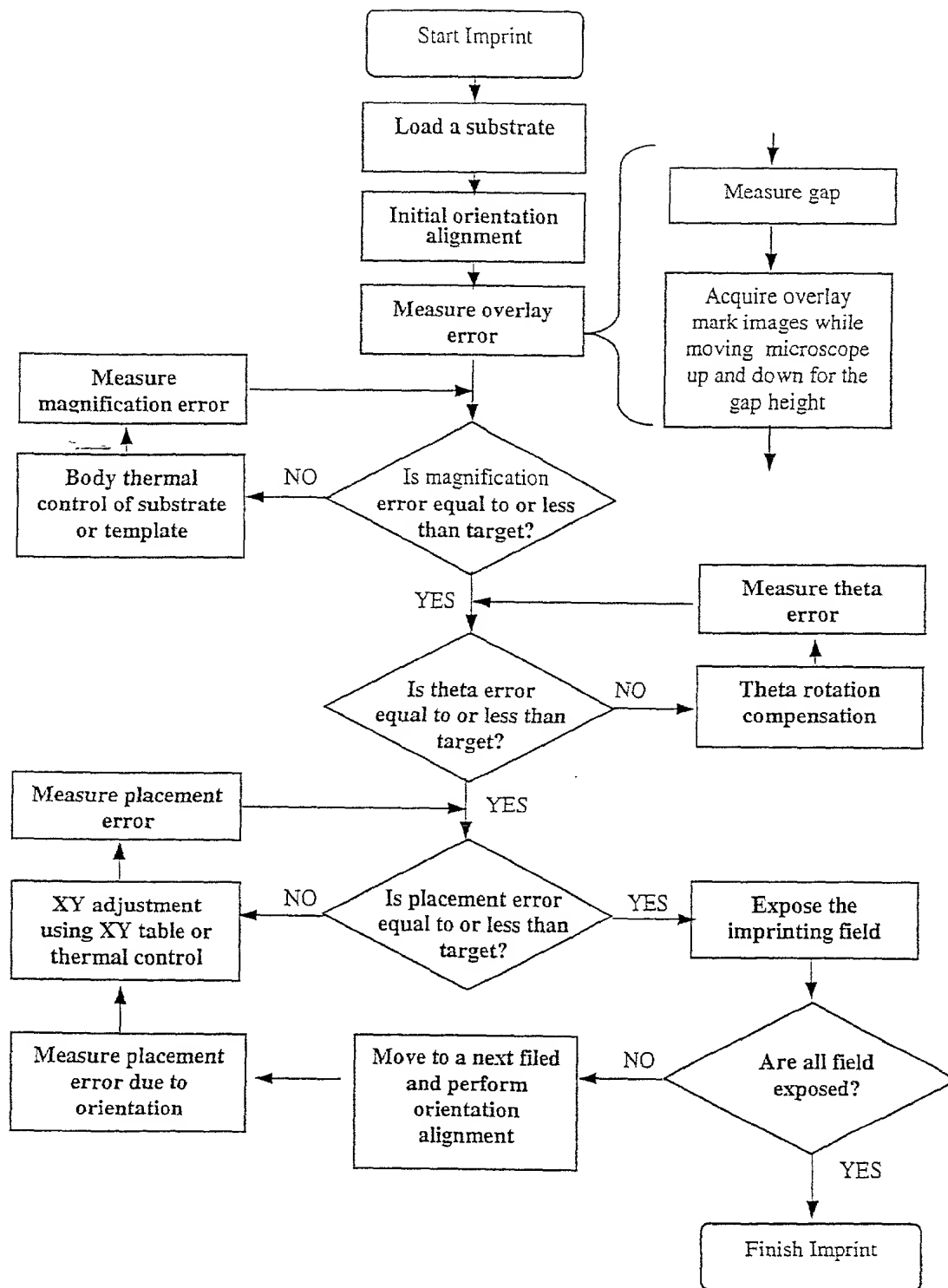


Fig. 22



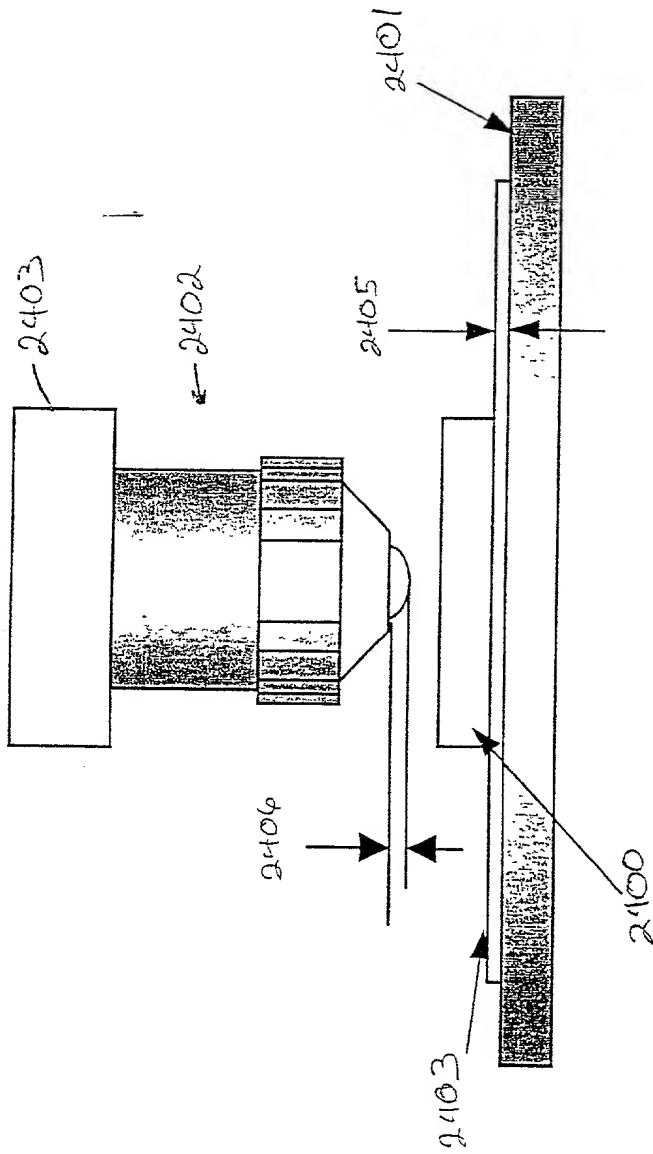


Fig. 24



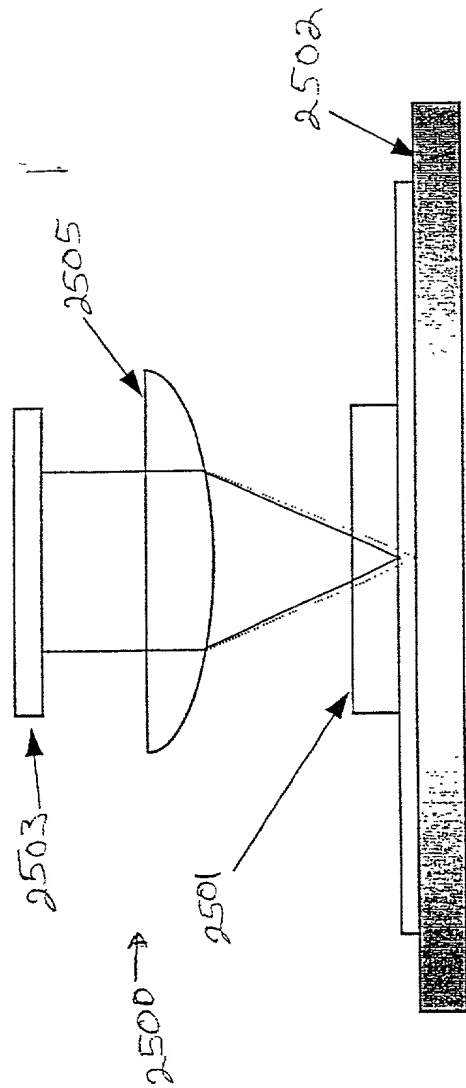


Fig. 25

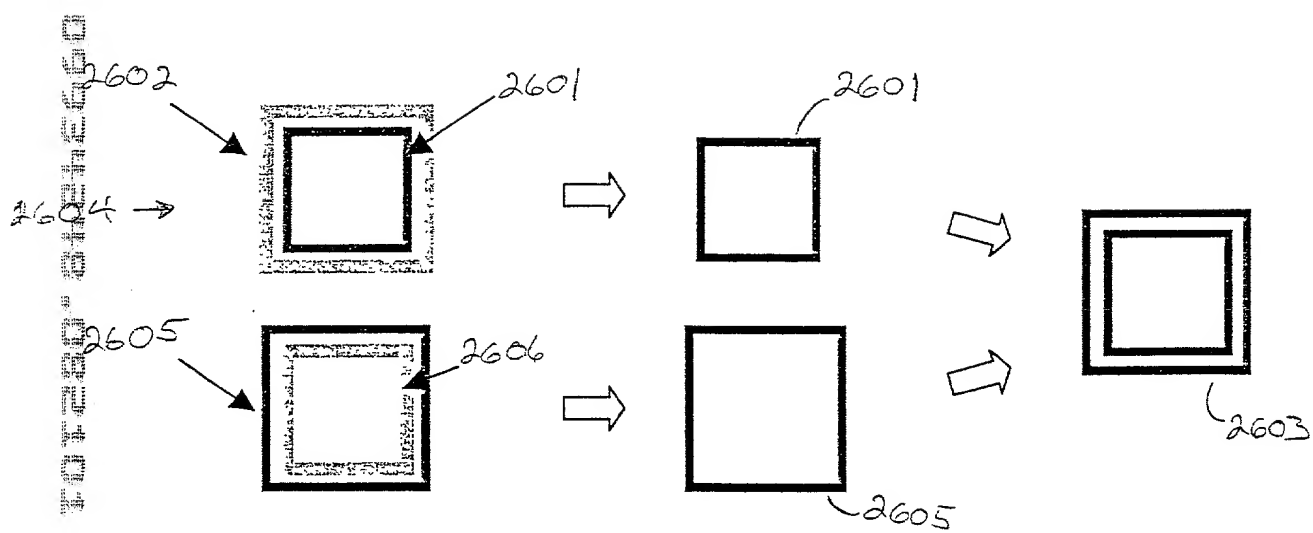


Fig. 26

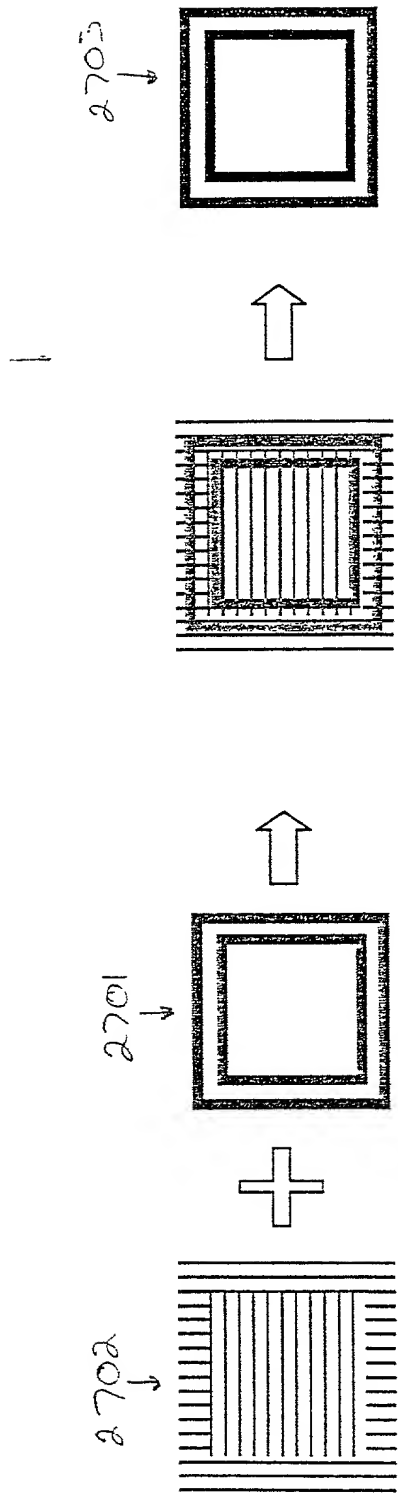


Fig. 27

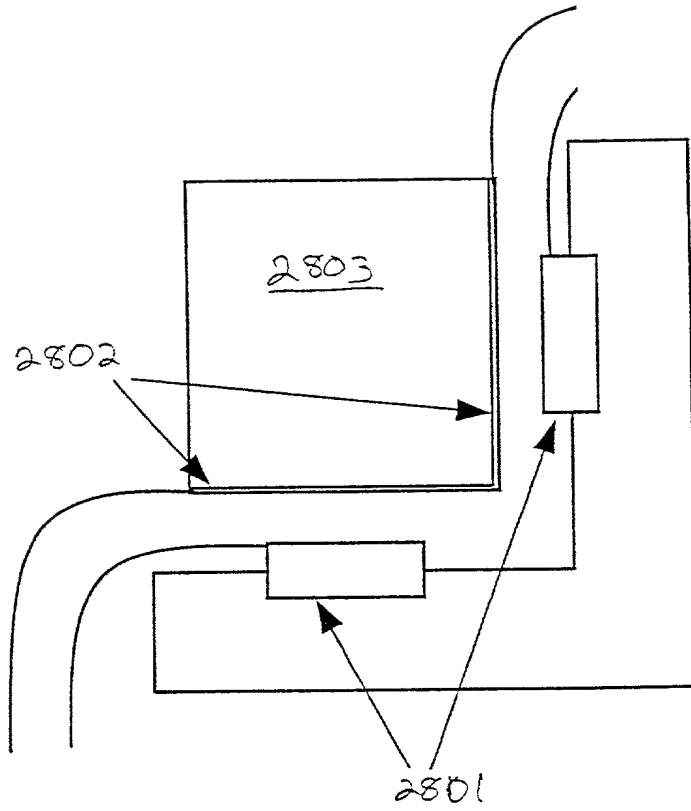


Fig. 28

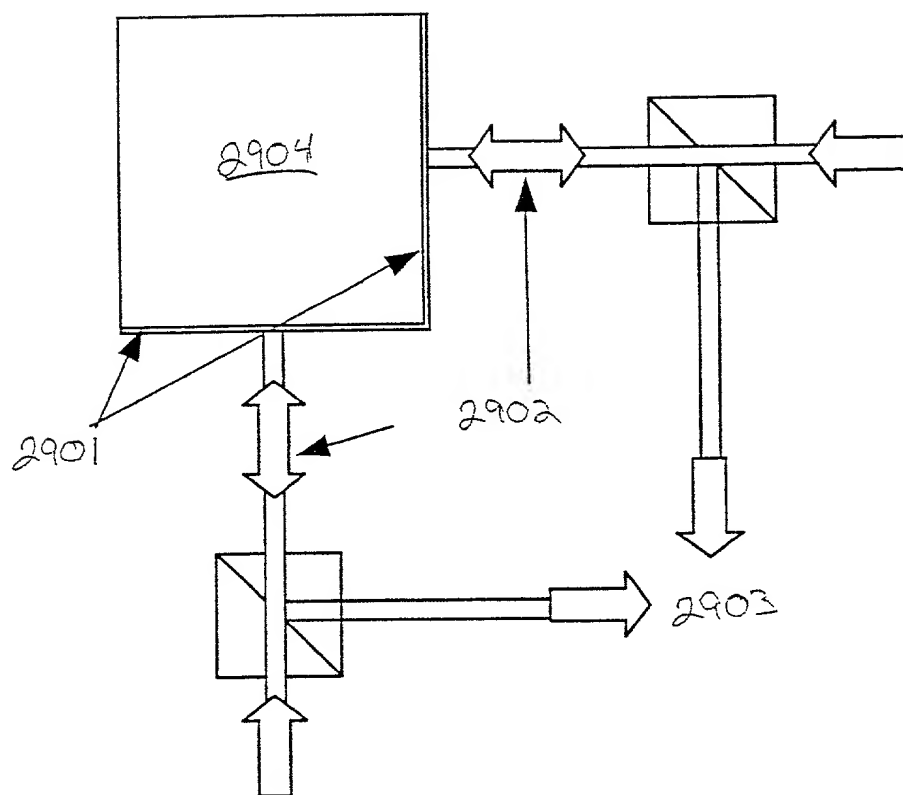


Fig. 29

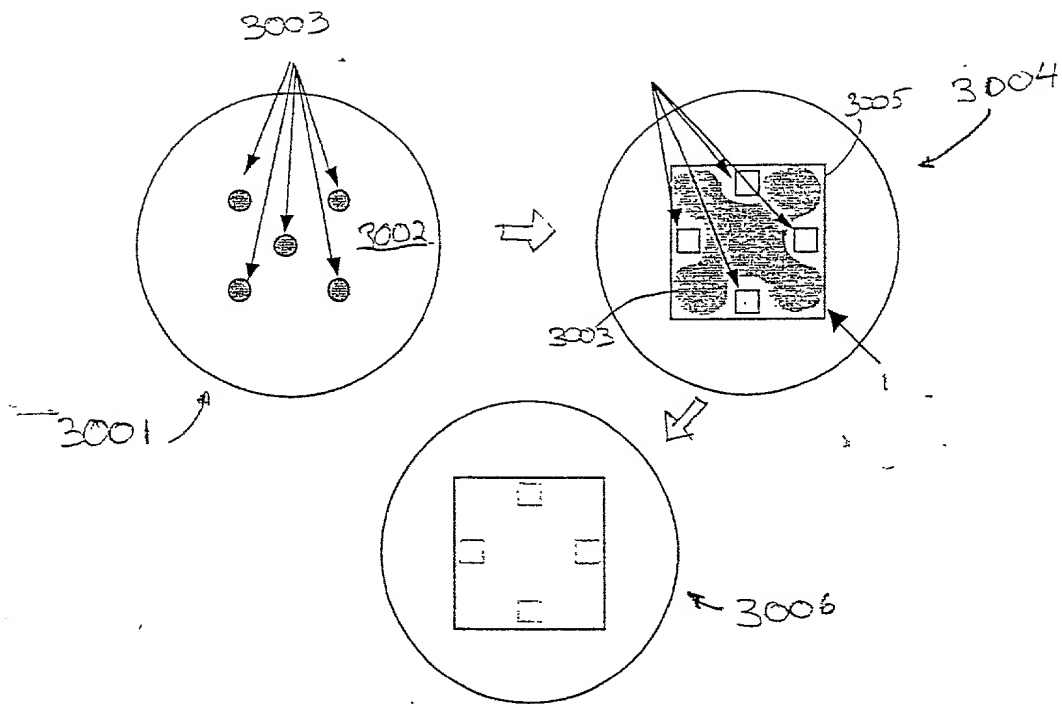


Fig. 30

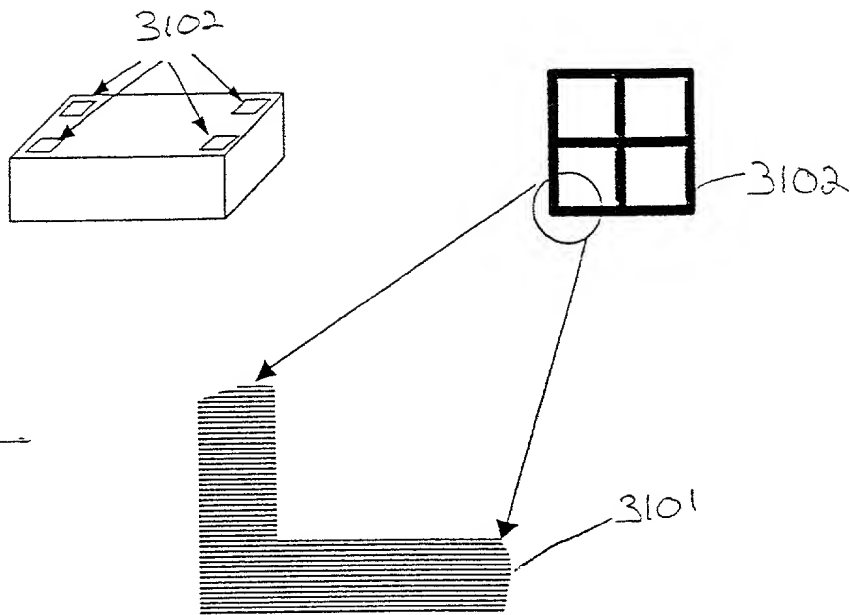


Fig. 31

100

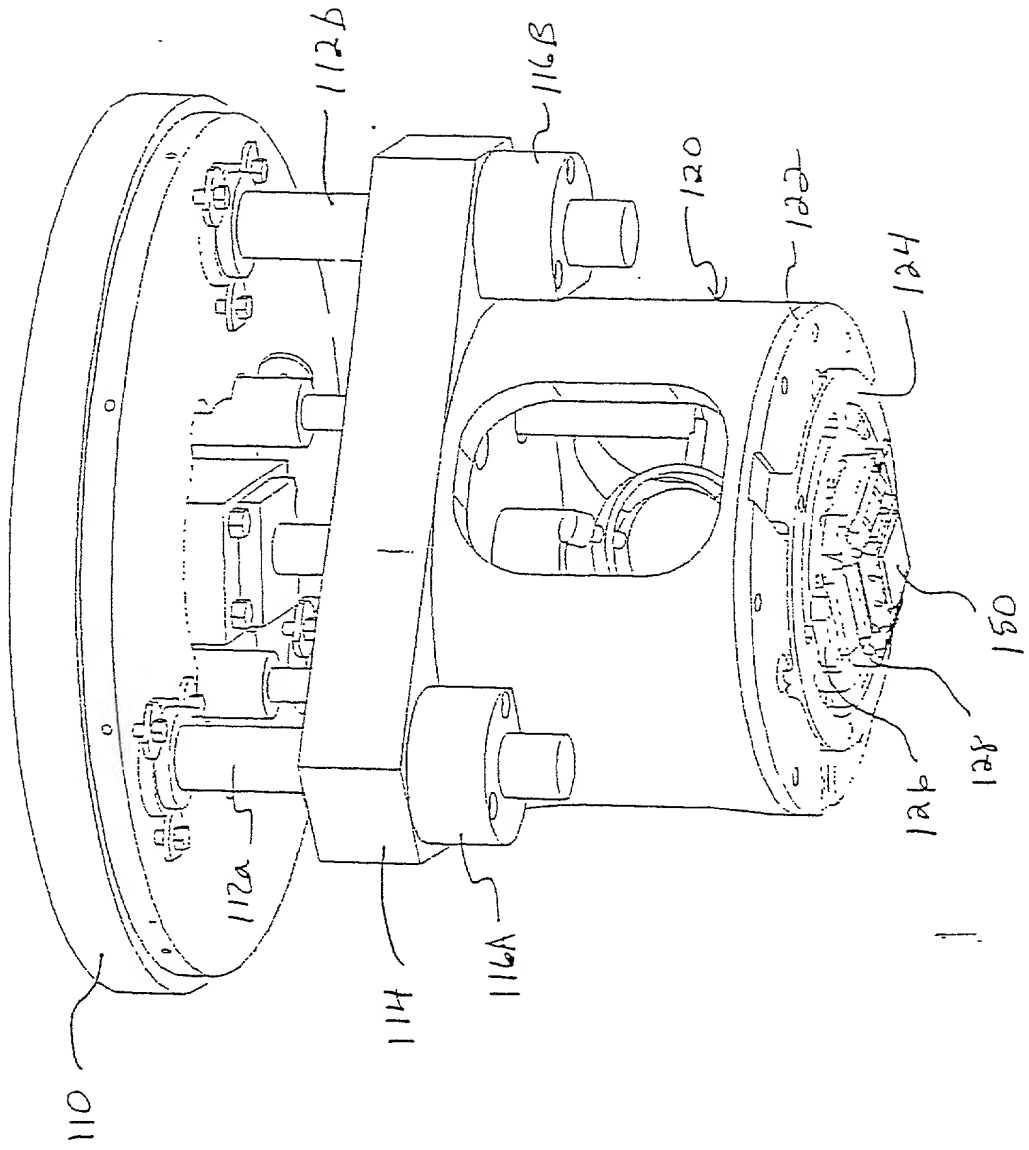


Fig. 32



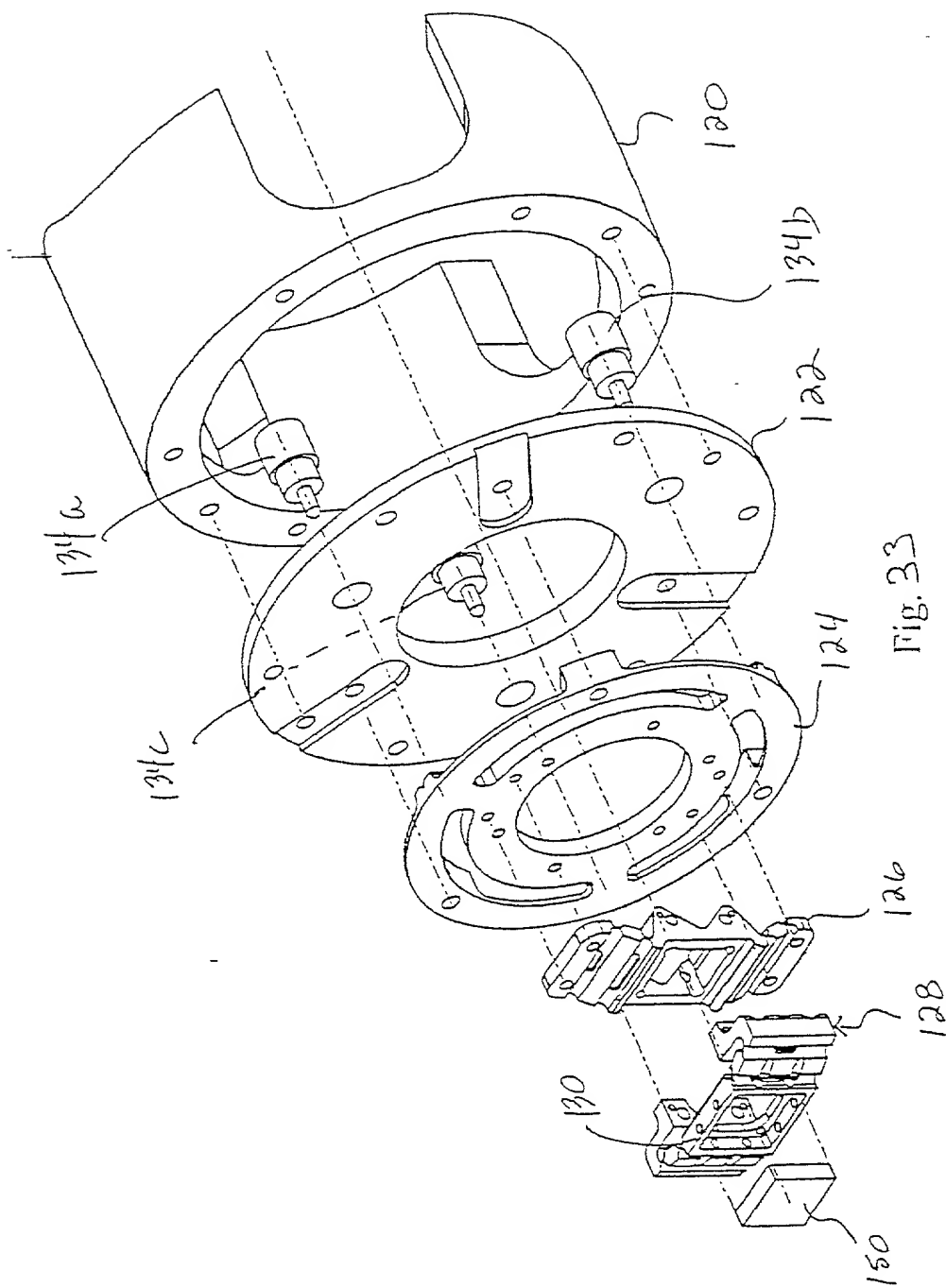


Fig. 33

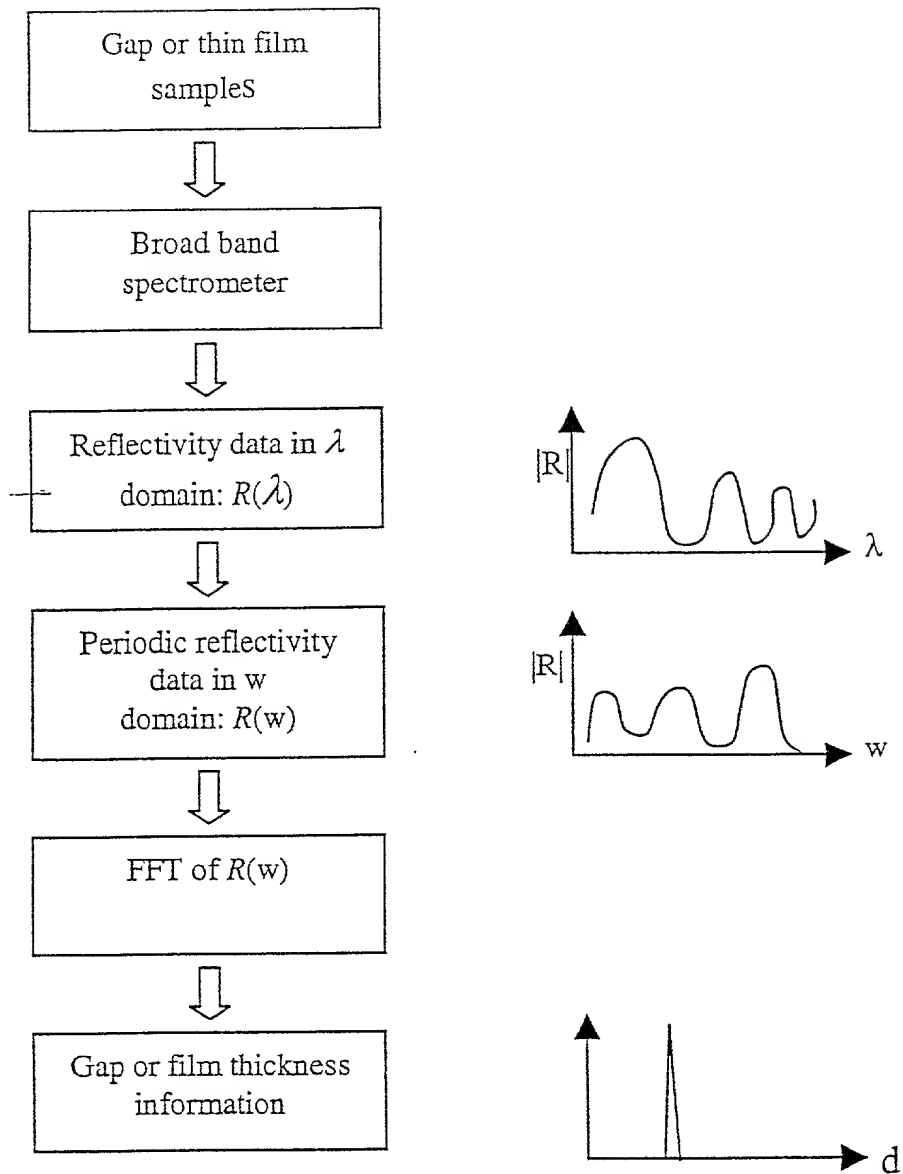


Fig. 34

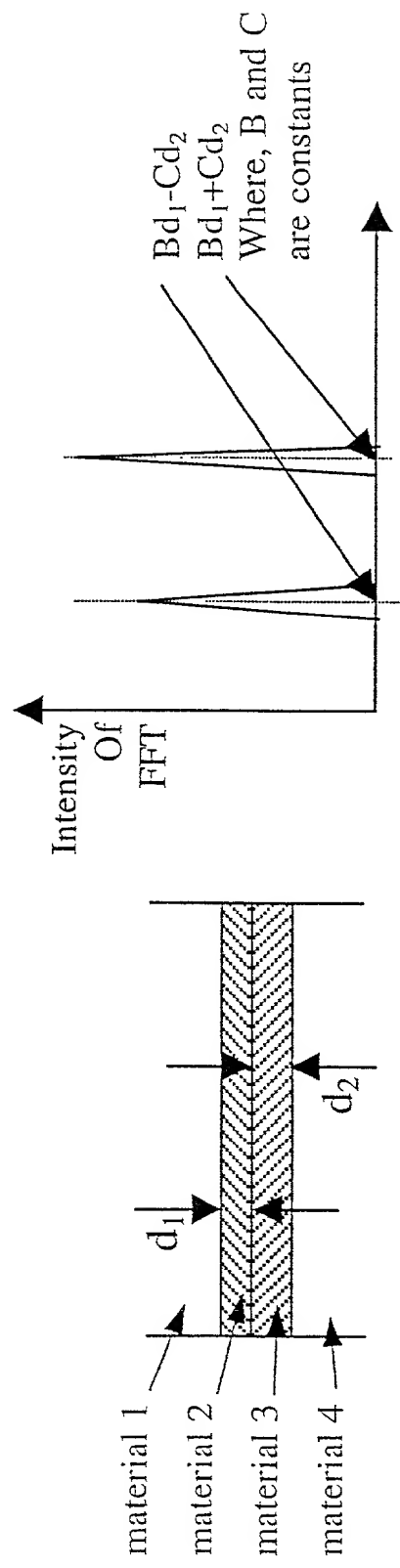
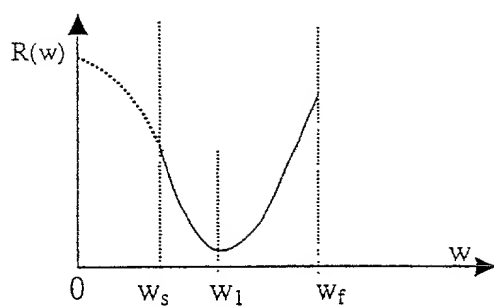
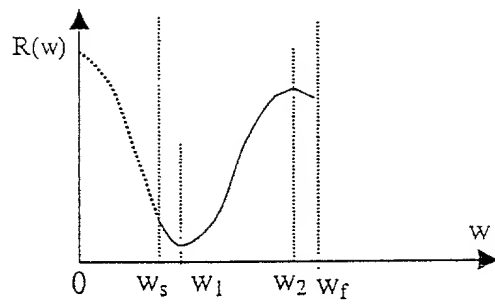


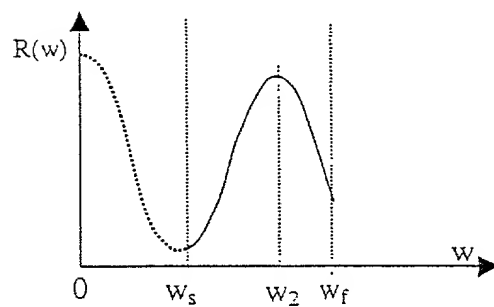
Fig. 35



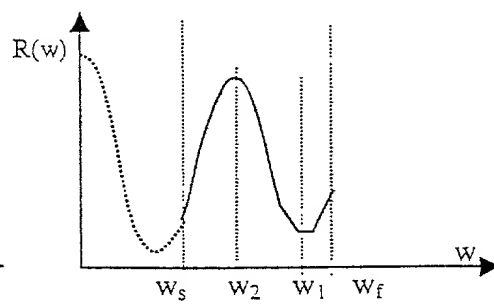
CASE 1



$w_1 < w_2$



CASE 2



$w_2 < w_1$

Fig. 36

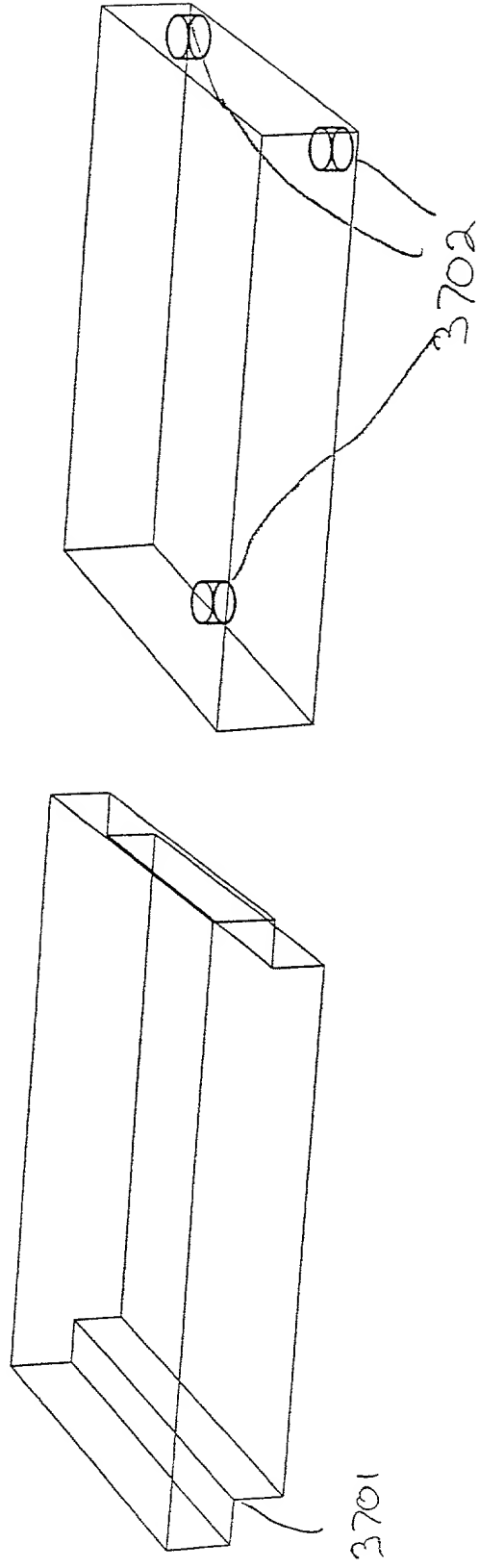


Fig. 37

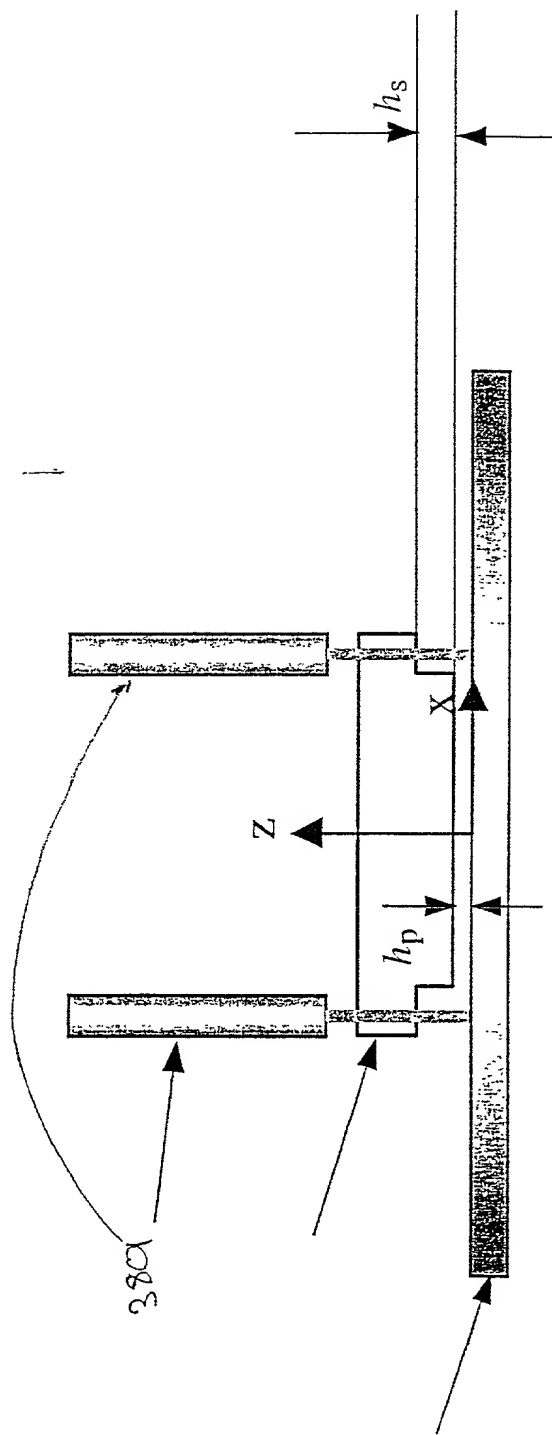


Fig. 38

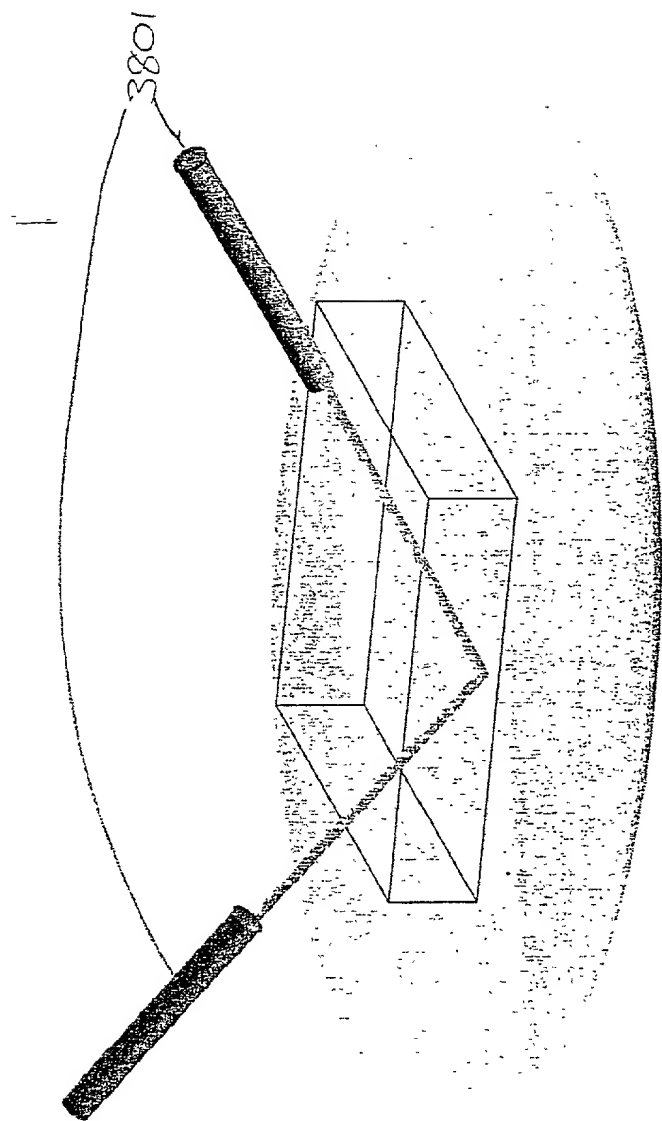


Fig. 39

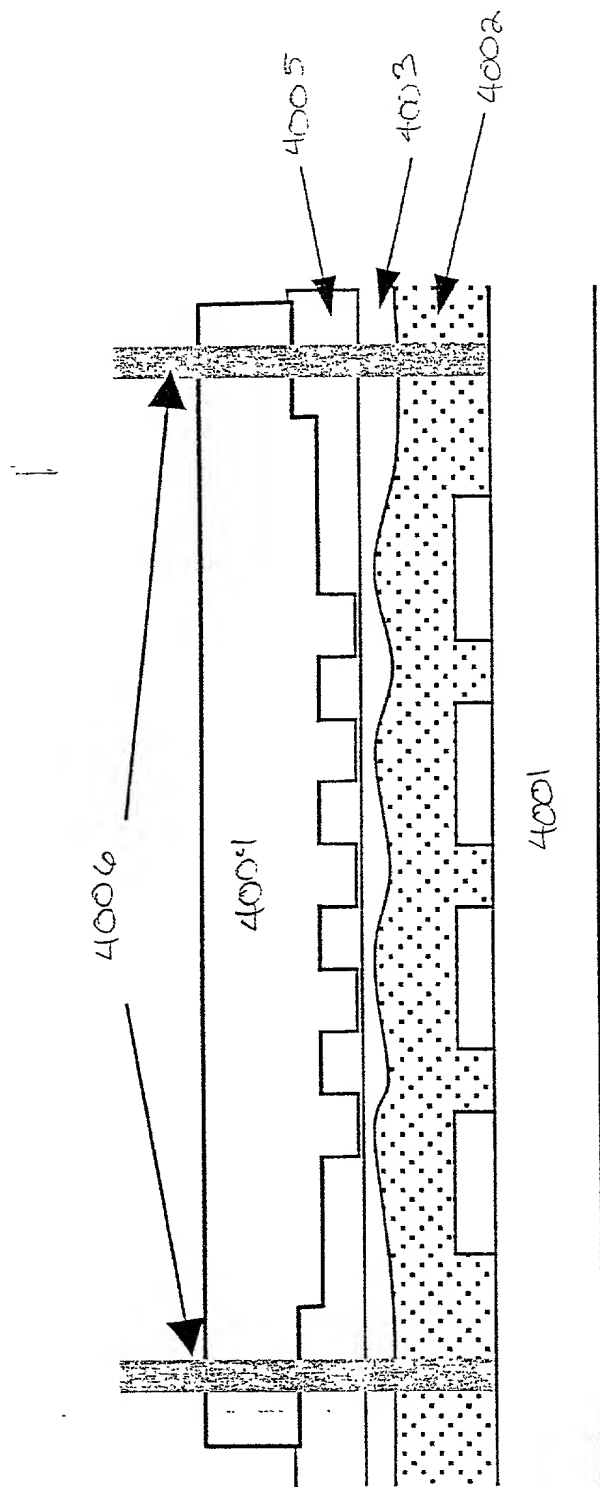


Fig. 40



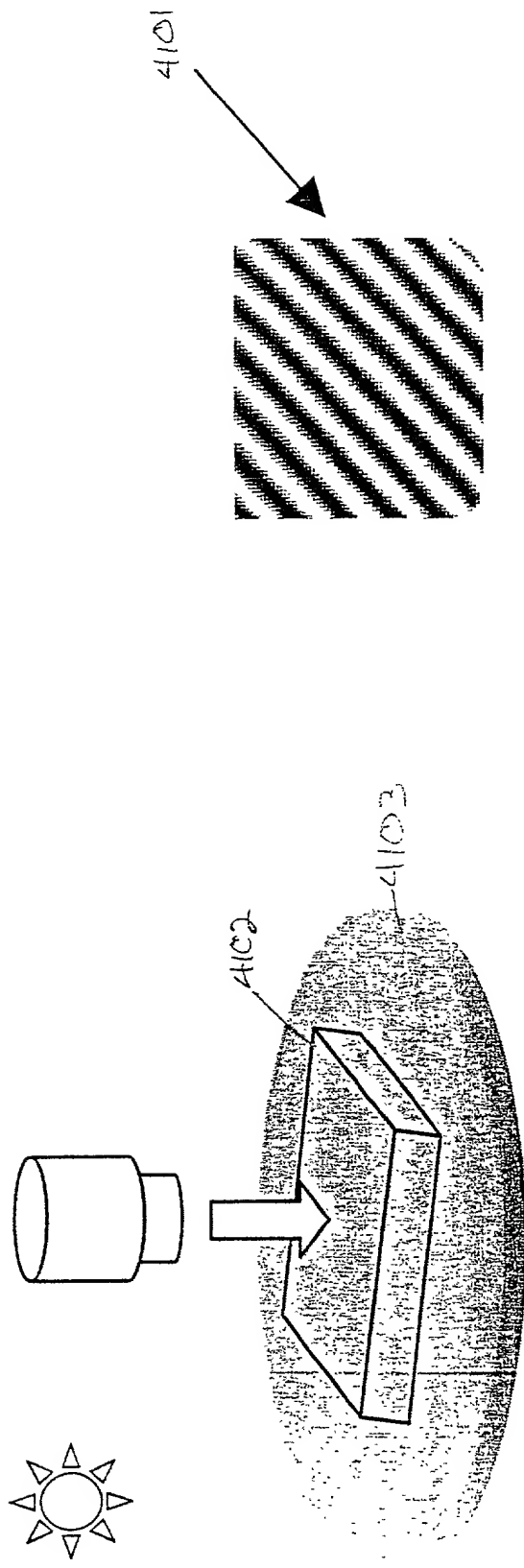


Fig. 41

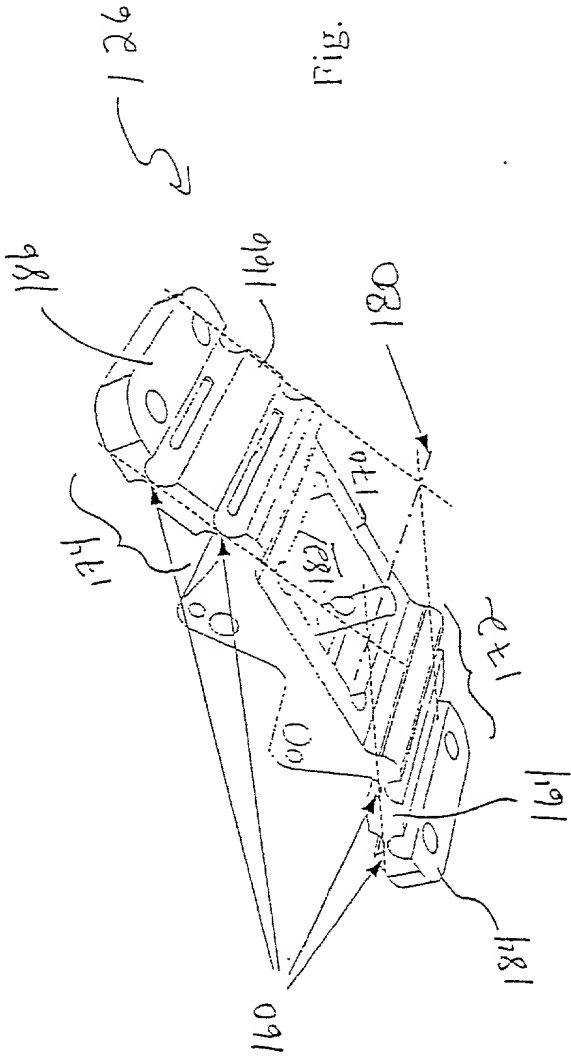


Fig. 42 A

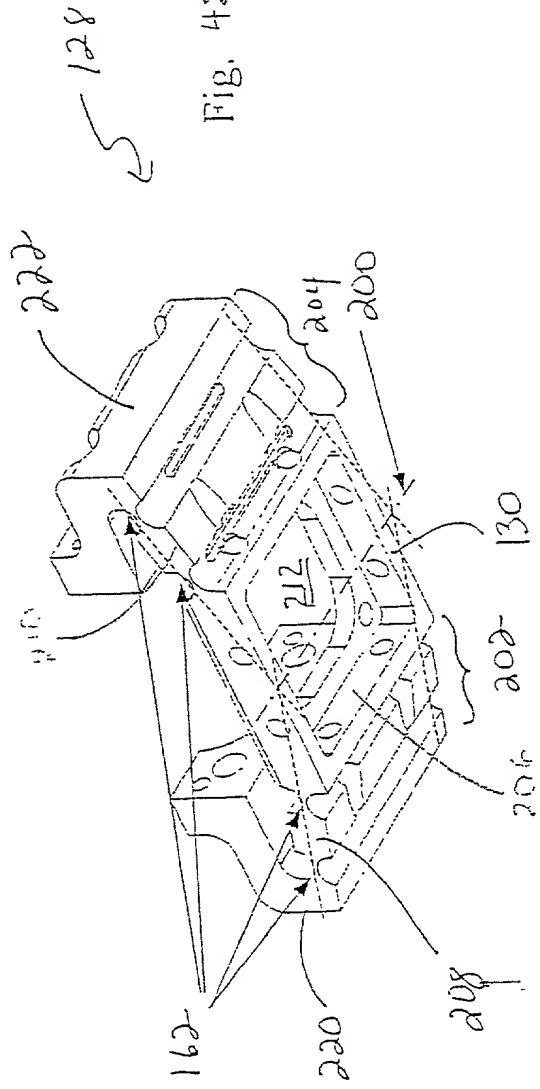


Fig. 42 B

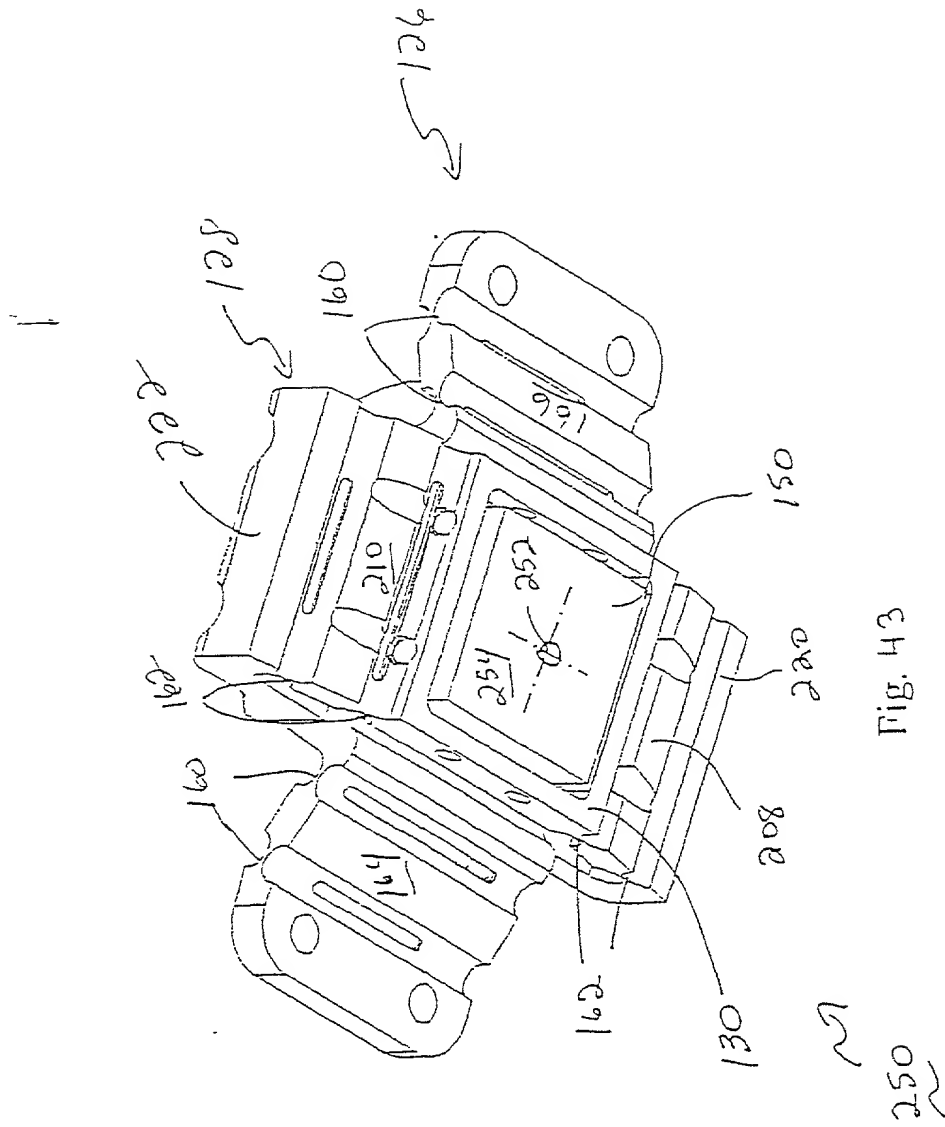
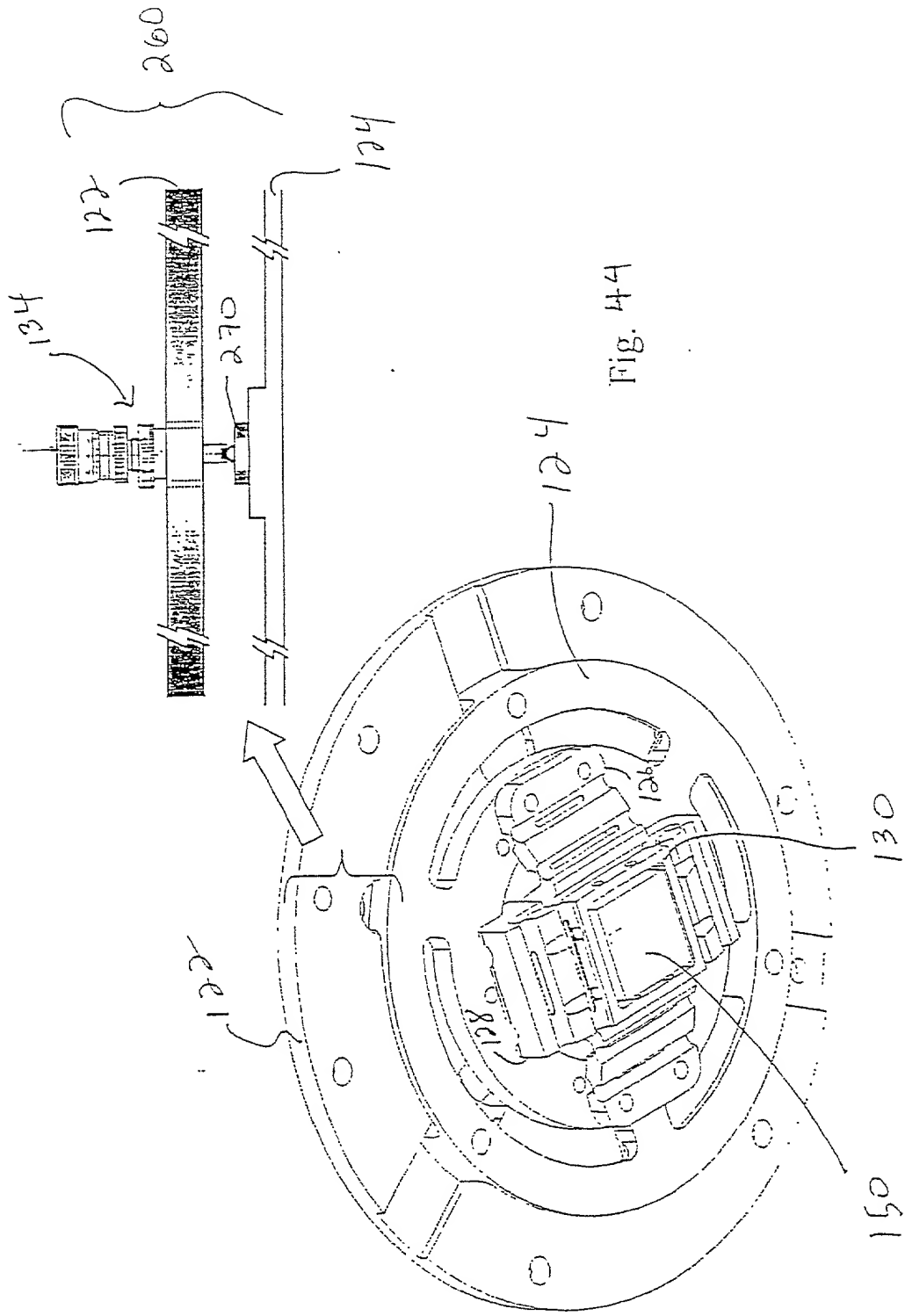


Fig. 43



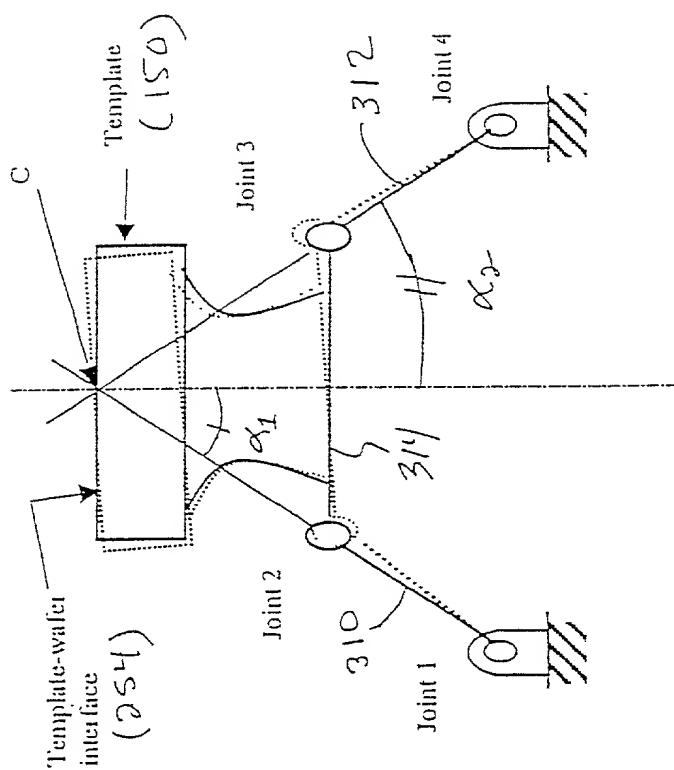
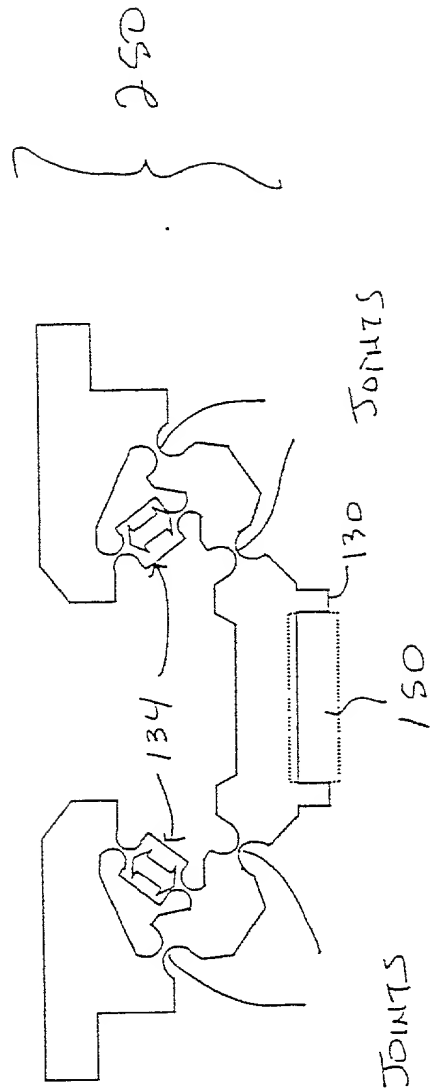


Fig. 45

1



400

Fig. 4B

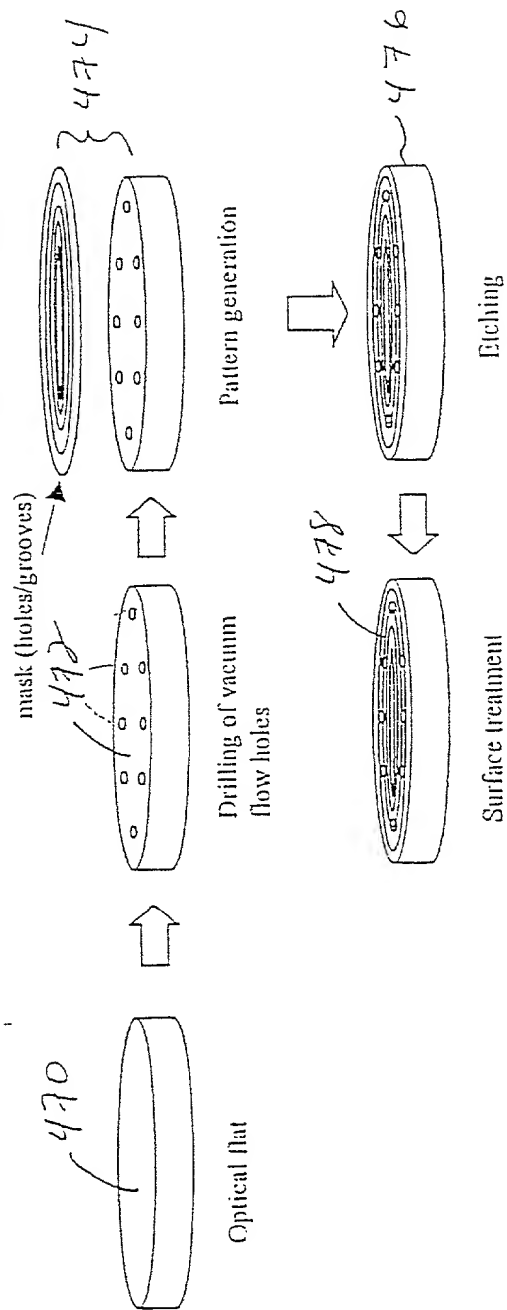


Fig. 47

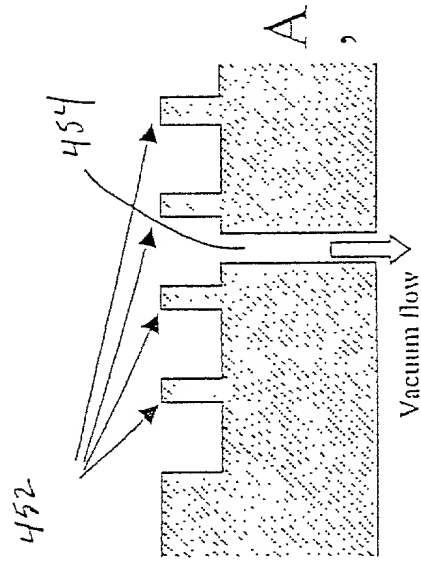


Fig. 48A

450 ~>

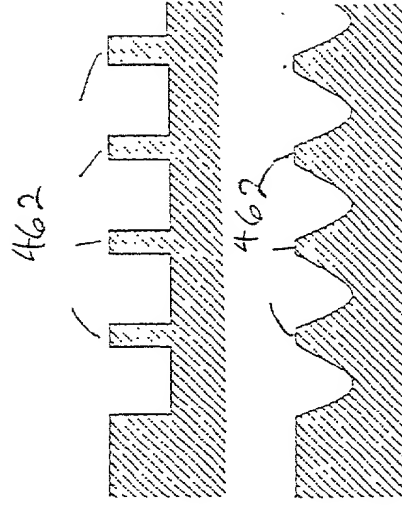
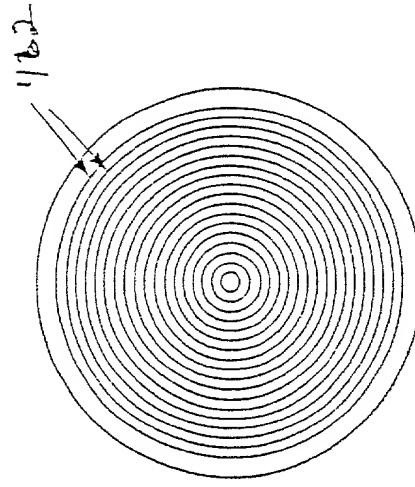


Fig. 48B



440 ~>



1

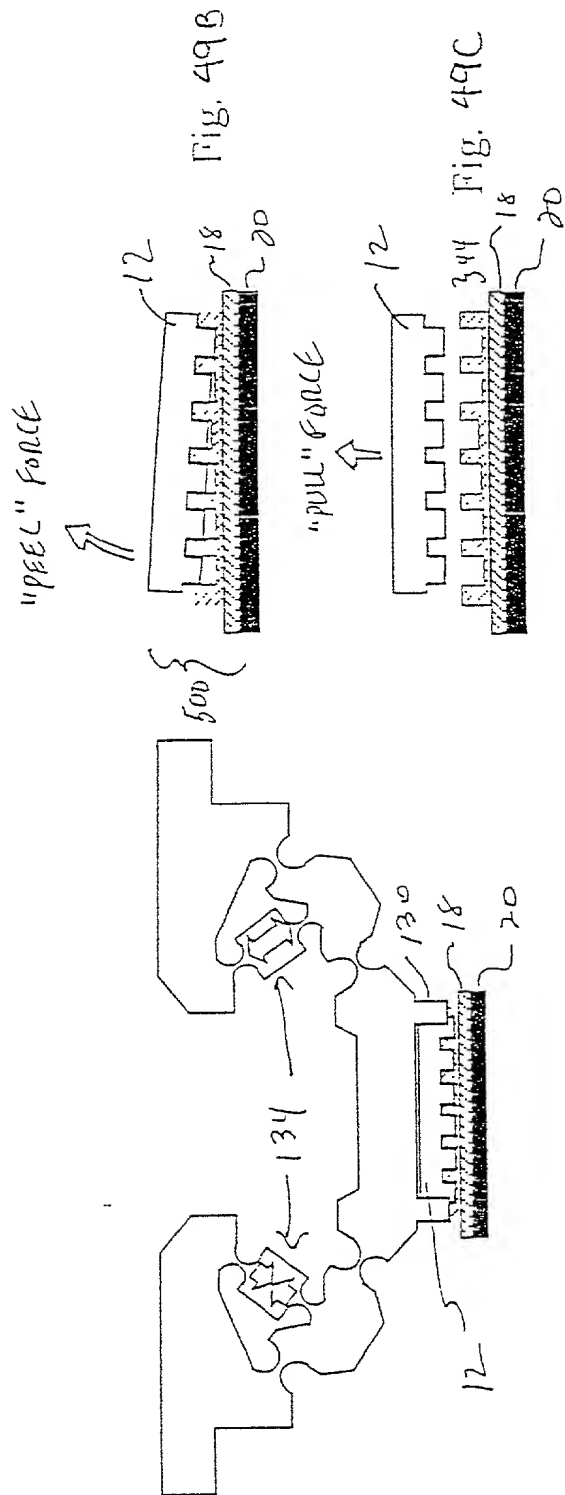


Fig. 49A

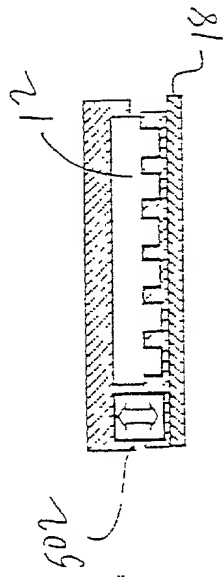


Fig. 50A

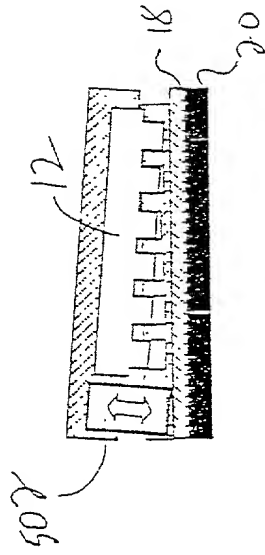


Fig. 50B

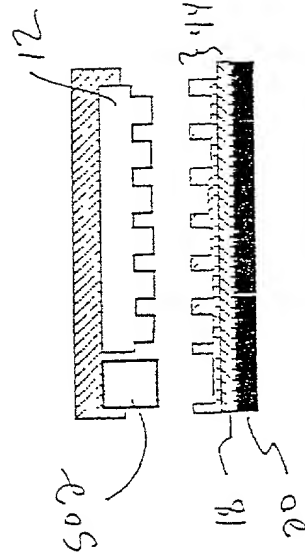
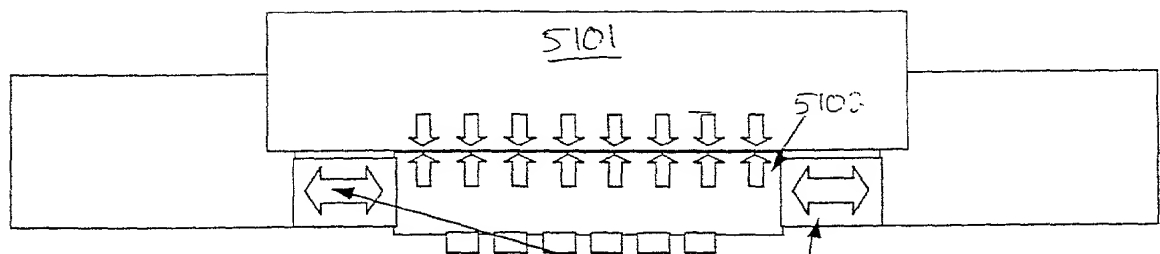
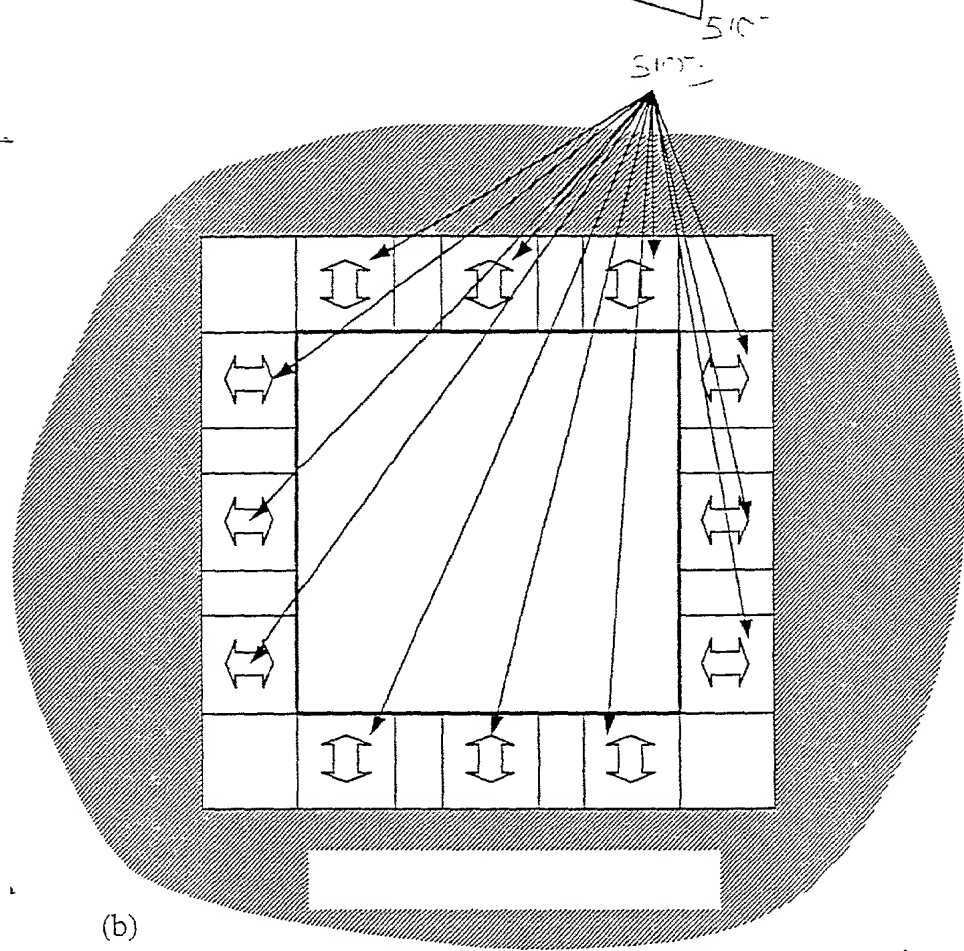


Fig. 50C



(a)



(b)

Fig. 51

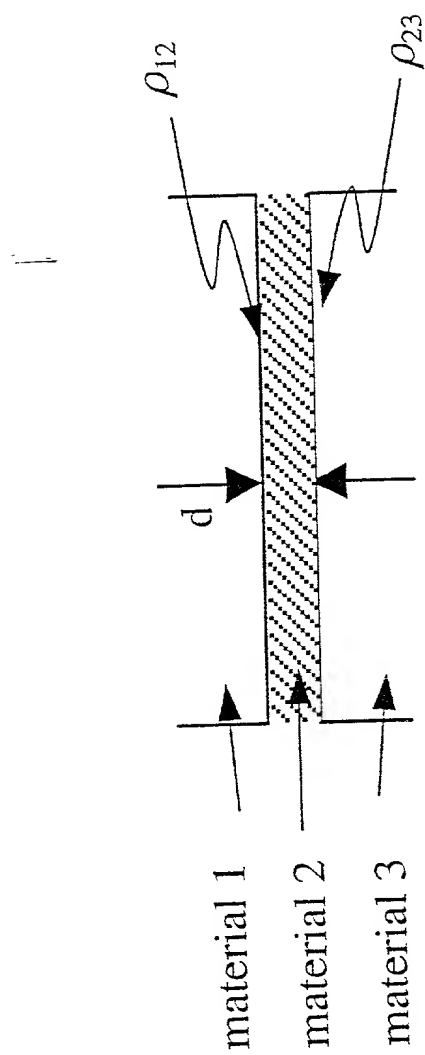


Fig. 52